

SPRAYER

PARTS CATALOGUE

Nozzles and Nozzle Accessories ▪ Valves and Manifolds ▪ Gauges and Calibration ▪ Fittings & Cam Locks ▪ Hose ▪ Pumps ▪ Spray Guns and Accessories ▪ Tanks and Tank Components ▪ Monitors, Accessories and more!



Westward has the part!

Westward has the part! That's our commitment to you, and that's what sets us apart. Westward Parts has over 45 years of expertise with all makes of agricultural parts, sprayer parts, sprayers, as well as ground maintenance and estate equipment. Our Canadian dealers are served from three different warehouse locations across the country, and our Australian dealers are served through the MacDon Parts Distribution Centre in Melbourne. Westward Parts offers our dealers the most comprehensive product portfolio and exclusive product offerings. And it will all be delivered on time, with an enjoyable customer service experience that won't let you down.

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How to Order

Welcome to the Westward Parts Sprayer Parts Catalogue!



This catalogue is divided into 9 sections:

1	Nozzles and Nozzle Accessories	
2	Valves and Manifolds	
3	Gauges and Calibration	
4	Fittings & Cam Locks	
5	Hose	
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Color Coded
For easier navigation!



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You can now order by **Manufacturer Number**, or by **Westward Part Number**.

	 Online	 Phone	 Fax
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Please contact Westward Parts
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1-888-937-7278

A cross reference for Manufacturer Part Number/ Westward Parts Number can be found at the back of each section.

Note: Some of the items in this catalogue are not listed with a Westward Parts Number. If you would like to receive a quote or request that we add an item to our catalogue offer, please contact us at 1-888-937-7278 for assistance.

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Westward has the part!

Micro Valve

Valves

¼" - 1" Poly Micro Valves

Features:

- 90° rotating handle
- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Standard FKM seats and O-Rings



John Guest
Fitting
The brand "John Guest" is a registered trademark of John Guest International Limited.

MICRO VALVES

MFR PART #	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU BALL
LV025V	¼" Female NPT Micro Valve	300	¼"	3/8"
LV038V	⅜" Female NPT Micro Valve	300	3/8"	3/8"
LV050V	½" Female NPT Micro Valve	300	½"	15/32"
LV050SLV	½" Side Load Micro Valve	300	½"	½"



MICRO VALVES

MFR PART #	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU
LVHB025V	¼" Hose Barb Micro Valve	300	¼"	3/8"
LVHB038V	⅜" Hose Barb Micro Valve	300	3/8"	3/8"
LVHB050V	½" Hose Barb Micro Valve	300	½"	3/8"
LVHB075V	¾" Hose Barb Micro Valve	300	¾"	15/32"



MICRO VALVES

MFR PART #	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU BALL
LV025MTV	¼" Female X Male NPT Micro Valve	300	¼"	¾"
LV038MTV	⅜" Female X Male NPT Micro Valve	300	¾"	¾"
LV038050MTV	⅜" Female X ½" Male NPT MICRO VALVE	300	¾" x ½"	¾"
LV050MTV	½" Female X Male NPT Micro Valve	300	½"	15/32"
LV050100MTV	½" Female X 1" Male NPT Micro Valve	300	½"	15/32"



MICRO VALVES

MFR PART #	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU BALL
LVHB038050MTV	⅜" Hose Barb X ½" Male NPT Micro Valve	300	½"	¾"
LVHB075MTV	¾" Hose Barb X ¾" Male NPT Micro Valve	300	¾"	½"
LVHB075100MTV	¾" Hose Barb X 1" Male NPT Micro Valve	300	1"	15/32"



MICRO VALVES

MFR PART #	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU BALL
LVPL038MPTV	¾" Female Push Lock X ¾" NPT Micro Valve FKM	150	¾"	¾"
LVPL038025MPTV	¾" Female Push Lock X ¼" NPT Micro Valve FKM	150	¾"	¾"



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How to order:

Specify Mfr Part #.

Example: LV025V

Micro Valve

Valves

¼" - 1" Poly Micro Valves

Features:

- 90° rotating handle
- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Standard FKM seats and O-Rings



John Guest
Fitting
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MICRO VALVES

MFR PART #	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU BALL
LVPL025V	¼" Female Push Lock Micro Valve	150	¼"	⅜"
LVPL038V	⅜" Female Push Lock Micro Valve	150	⅜"	⅜"
LVPL050V	½" Female Push Lock Micro Valve	150	½"	15/32"



MICRO VALVES

MFR PART #	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU BALL
MLV100V	1" Manifold Micro Valve	300	1"	½"



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How to order:

Specify Mfr Part #.

Example: VPL025V

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Ball Valves

Valves

½" - 2" 4 Bolted Valves

Features:

- FKM seals.
- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Stainless steel bolts

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring



4 BOLTED VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPEN-ING THRU	REPLACEMENT HANDLE	REPAIR KIT
V050	½" Full Port Valve	300	½"	¾"	V10153A	V07200
V075	¾" Full Port Valve	300	¾"	¾"	V10153A	V07200
V100	1" Standard Port Valve	225	1"	¾"	V10153A	V07200
V100FP	1" Full Port Valve	300	1"	1"	V10153A	V10200
V125	1¼" Standard Port Valve	300	1¼"	1"	V10153A	V10200
V125FP	1¼" Full Port Valve	225	1¼"	1½"	V20153	V20200
V150	1½" Full Port Valve	225	1½"	1½"	V20153	V20200
V200	2" Standard Port Valve	225	2"	1½"	V20153	V20200

How to order:

Specify Mfr Part #.
Example: V050

Valve Accessories:

- 304 stainless steel construction
- Installs under valve handle
- Comes complete with handle and locking device
- Padlock not included

VALVE ACCESSORIES

MFR PART #	DESCRIPTION	FITS VALVES
VL20153	Locking Device	V125, V150, V200
V10270	Straight Mounting Bracket	V100FP, V125
V10271	90° Mounting Bracket	V100FP, V125
V25270	Straight Mounting Bracket	V125FP, V150, V200
V25271	90° Mounting Bracket	V125FP, V150, V200
V10153138	1" X 1½" Handle Offset	V100FP, V125
V20153138	2" FP X 1½" Handle Offset	V125FP, V150, V200
V25153138	2" FP X 1½" Handle Offset	V200FP

How to order:

Specify Mfr Part #.
Example: VL20153



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Ball Valves

Valves

2"- 4" 6 Bolted Valves

Features:

- FKM seals.
- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats cannot stick or bind
- Stainless steel bolts

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring



6 BOLTED VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
V200FP	2" Full Port Valve	225	2"	2"	V25153	V25200
V300	3" Standard Port Valve	225	3"	2½"	V25153	V25200
V300FP	3" Full Port Valve	200	3"	3"	V25153	V25200
V400	4" Standard Port Valve	100	4"	3½"	V25153	V25200
VFMT200FP	2" Full Port Valve W/ F Adapter	225	2"	2"	V25153	V25200

How to order:

Specify Mfr Part #.
Example: V200FP

Valve Accessories:

- Stainless steel hardware
- Locks in open and closed positions
- Locking handle replaces standard handle (sold separately)
- Padlock not included

VALVE ACCESSORIES

MFR PART #	DESCRIPTION	FITS VALVES
VL25153	Locking Handle	V200FP, V300, V300FP, V400, VFMT200FP, VFMT200FPSH
V25270	Straight Mounting Bracket	V200FP, V300, V300FP, V400, VFMT200FP, VFMT200FPSH
V25271	90° Mounting Bracket	V200FP, V300, V300FP, V400, VFMT200FP, VFMT200FPSH

How to order:

Specify Mfr Part #.
Example: VL25153



V25270



V25271

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Ball Valves

Valves

2" Full Port Bolted Ball Valves

Features:

- FKM seals
- Stainless steel bolts
- PTFE self-lubricating stem bushings and seats cannot stick or bind
- Precision molded in fiberglass reinforced polypropylene
- Self-aligning ball moves freely against the PTFE seats for smoother operation
- Valve opens and closes with very little pressure on the handle
- Ball is diamond turned after molding to make it spherically perfect, which provides precise contact between ball and seats.

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring



4 BOLTED FULL PORT VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
VFMT204FP	2" Full Port Valve Male NPT X Male Adapter	150	2"	2"	V25153	V25200
V204FP	2" Full Port Valve	150	2"	2"	V25153	V25200

How to order:

Specify Mfr Part #.
Example: VFMT204FP

2" Full Port ANSI Flange Bolted Ball Valves

Features:

- 100% PTFE seats
- FKM seals
- Glass-filled polypropylene
- Unique compact design
- Lightweight

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring



4 BOLTED FULL PORT VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
VSF200FPAF	2" Full Port Valve Male Adapter X 2" Ansi Flange	200	2"	2"	V25153SH	VS25200
VSMT200FPAF	2" Full Port Valve	200	2"	2"	V25153SH	VS25200

How to order:

Specify Mfr Part #.
Example: VSF200FPAF

2" Standard Port Stubby Ball Valves

Features:

- Stainless steel bolts
- Glass reinforced polypropylene
- Multiple design options
- Unique patented compact design
- Lightweight
- All PTFE seals

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring



2" STANDARD PORT STUBBY VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
VSF200	2" Male Adapter X 2" Female NPT	100	2"	1½"	VS20152SH	VS20200
VSMT200	2" Male Npt X 2" Female NPT	100	2"	1½"	VS20152SH	VS20200
VSFMT200	2" Male Adapter X 2" Male NPT	225	2"	1½"	VS20152SH	VS20200
VSFHB200	2" Male Adapter X 2" Hose Barb	100	2"	1½"	VS20152SH	VS20200

How to order:

Specify Mfr Part #.
Example: VSF200

Ball Valves

Valves

2" Full Port Stubby Ball Valves

Features:

- Stainless steel bolts
- 100% PTFE ball seats
- Glass reinforced polypropylene
- Unique patented compact design
- Lightweight
- FKM body seals

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring

2" FULL PORT STUBBY VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
VSMT204FP	2" Male NPT X 2" Female NPT	200	2"	2"	VS25153	VS25200
VSF204FP	2" Male Adapter X 2" Female NPT	100	2"	2"	VS25153	VS25200
VS204FP	2" Female NPT X 2" Female NPT	225	2"	2"	VS25153	VS25200
VSFMT204FP	2" Male Adapter X 2" Male NPT	150	2"	2"	VS25153	VS25200
VSFMT204HSFP	2" FP Male Adapter X 2" Male Npt W/ Ss Ball, Stem & Handle	150	2"	2"	VS25153SS	VSSH25200



3" Standard Port Stubby Ball Valves

Features:

- Stainless steel bolts
- Glass reinforced polypropylene
- FKM body seals
- Unique patented compact design
- Lightweight
- All PTFE seals

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring

3" STANDARD PORT STUBBY VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE STRAIGHT	REPLACEMENT HANDLE SHORT	REPAIR KIT
VSF300	3" Female NPT X 3" Male Adapter	100	3"	2½"	V25153	V25153SH	VS30200
VSMT300	3" Female NPT X 3" Male NPT	100	3"	2½"	V25153	V25153SH	VS30200
VSFMT300	3" Male NPT X 3" Male Adapter	225	3"	2½"	V25153	V25153SH	VS30200


How to order:

Specify Mfr Part #.
Example: VSF300

3" Full Port Stubby Ball Valves

Features:

- Stainless steel bolts
- Glass reinforced polypropylene
- FKM body seals
- Unique patented compact design
- Lightweight
- All PTFE ball seats

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring

3" FULL PORT STUBBY VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
VSFMT300FP	3" FULL Port Male Adapter X 3" Male NPT	100	3"	3"	V25153	VS35200
VSFMT300HSFP	3" Full Port Male Adapter X 3" Male NPT W/SS Ball, Stem & Handle	100	3"	3"	VS30153SS	VSSH35200


How to order:

Specify Mfr Part #.
Example: VSFMT300FP

Ball Valves

Valves

3 Way Bottom Load Ball Valves

Features:

- Stainless steel bolts
- Precision molded in fiberglass reinforced polypropylene for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation
- Ball is diamond turned after molding to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats
- FKM body seals
- Directional flow, right or left. Valve can be turned off to stop flow



3 WAY BOTTOM LOAD VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	HANDLE TYPE	REPLACEMENT HANDLE	REPAIR KIT
V075BL	¾" 3-Way Bottom Load Valve	200	¾"	1"	T	V10353TB	V10300SL
V100BL	1" 3-Way Bottom Load Valve	225	1"	1"	T	V10353TB	V10300SL
V125BL	1¼" 3-Way Bottom Load Valve	300	1¼"	1½"	T	V20353TB	V15300SL
V150BL	1½" 3-Way Bottom Load Valve	225	1½"	1½"	T	V20353TB	V15300SL
V200BL	2" 3-Way Bottom Load Valve	200	2"	2"	STRAIGHT	V25353B	V15300SL

How to order:

Specify Mfr Part #.
Example: V075BL

3 Way Side Load Ball Valves

Features:

- Stainless steel bolts
- Precision molded in fiberglass reinforced polypropylene for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation
- Ball is diamond turned after molding to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats
- FKM body seals
- Directional flow, right or left. Valve cannot be turned off to stop flow



3 WAY SIDE LOAD VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	HANDLE TYPE	REPLACEMENT HANDLE	REPAIR KIT
V075SL	¾" 3-Way Side Load Valve	200	¾"	1"	STRAIGHT	V10153A	V10300SL
V100SL	1" 3-Way Side Load Valve	200	1"	1"	STRAIGHT	V10153A	V10300SL
V125SL	1¼" 3-Way Side Load Valve	300	1¼"	1½"	T	V20353TS	V15300SL
V150SL	1½" 3-Way Side Load Valve	225	1½"	1½"	T	V20353TS	V15300SL
V200SL	2" 3-Way Side Load Valve	225	2"	2"	STRAIGHT	V25153SH	V15300SL

How to order:

Specify Mfr Part #.
Example: V075SL

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Ball Valves

Valves

½" - 2" Single Union Spinweld Valves

Features:

- Precision molded in glass reinforced polypropylene for strength and chemical resistance
- PTFE seats for smooth and proper sealing characteristics
- EPDM O-rings to handle most fertilizers and many chemicals
- Double O-rings in stem area for extra sealing protection
- Interlocking body and end plate to allow easy thread connection when installing valves



½"-2" SINGLE UNION SPINWELD VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
SUV050FP	½" Full Port Single Union Spinweld Valve	300	½"	½"
SUV075FP	¾" Full Port Single Union Spinweld Valve	300	¾"	¾"
SUV100FP	1" Full Port Single Union Spinweld Valve	300	1"	1"
SUV125FP	1¼" Full Port Single Union Spinweld Valve	300	1¼"	1¼"
SUV150FP	1½" Full Port Single Union Spinweld Valve	300	1½"	1½"
SUV200FP	2" Full Port Single Union Spinweld Valve	200	2"	2"
MSUV100FP	1" Manifold Full Port Single Union Spinweld Valve	300	1"	1"

How to order:

Specify Mfr Part #.

Example: SUV050FP

½" - 2" Single Union Valves

Features:

- Precision molded in glass reinforced polypropylene for strength and chemical resistance
- PTFE seats for smooth and proper sealing characteristics
- Double O-rings in stem area for extra sealing protection
- Interlocking body and end plate to allow easy thread connection when installing valves



½"-2" SINGLE UNION VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
UV050FP	½" Full Port Single Union Valve	300	½"	¾"
UV075FP	¾" Full Port Single Union Valve	300	¾"	¾"
UV100FP	1" Full Port Single Union Valve	300	1"	1"
UV125FP	1¼" Full Port Single Union Valve	225	1¼"	1¼"
UV150FP	1½" Full Port Single Union Valve	200	1½"	1½"
UV200FP	2" Full Port Single Union Valve	300	2"	2"

How to order:

Specify Mfr Part #.

Example: UV050FP

½" - 3" Check Valves

Features:

- Lightweight hose end valve for convenient transfer of liquids into drums, tanks etc
- Angled end flange with 8" long polypropylene fill spout
- All stainless steel bolts

½"-3" CHECK VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE
CV050	½" Check Valve	300	½"
CV100MT	1" Male X Female NPT Check Valve	300	1"
CV100	1" Check Valve	300	1"
CV221	2" Full Port Check Valve	300	2"
CV300	3" Full Port Check Valve	300	3"



How to order:

Specify Mfr Part #.

Example: CV050

Nozzle Valves

Valves

1½" - 2" Nozzle Valves

Features:

- Lightweight hose end valve for convenient transfer of liquids into drums, tanks etc
- Angled end flange with 8" long polypropylene fill spout
- All stainless steel bolts

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring



1½"-2" NOZZLE VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	FEMALE NPT	REPLACEMENT HANDLE	REPAIR KIT
VA150	1½" Nozzle Valve With 90° Elbow	225	1½" x 8"	1½"	1½"	V20152	V20200
VA200	2" Nozzle Valve With 90° Elbow	200	2" x 8"	1½"	2"	V20152	V20200
VA200FP	2" FP Nozzle Valve With 90° Elbow	225	2" x 8"	2"	2"	V25152	V25200

How to order:

Specify Mfr Part #.
Example: VA150

1" Dispensing Nozzles

Features:

- Glass reinforced polypropylene
- 304 stainless steel handle, spring and pin
- FKM rubber parts only
- Resists corrosion

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring



1" DISPENSING NOZZLE

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	FEMALE NPT	REPLACEMENT HANDLE	REPAIR KIT
VN100	1" Dispensing Nozzle	150	1"	N/A	1"	VN10253	VN10200
V10161	1" Nozzle Pipe For Use With V100, V100FP, UV100FP, SUV100FP	N/A	1"	N/A	1"		

How to order:

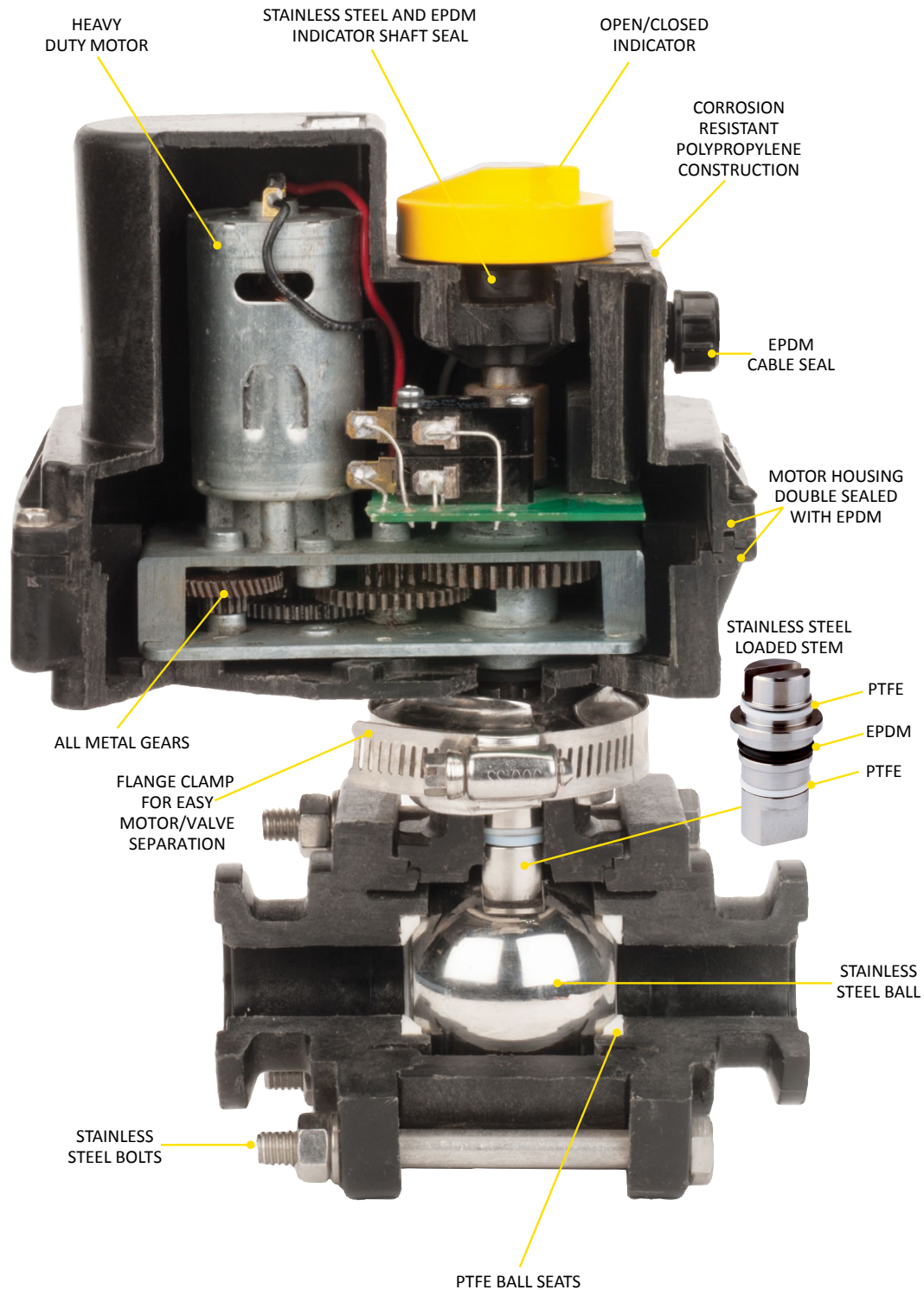
Specify Mfr Part #.
Example: VN100

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Electric Valves

Valves
Features:

- 316 stainless steel ball & stem
- Fiberglass reinforced polypropylene
- Glass reinforced PTFE seats.
- 12-volt DC, (24-volt available)
- Internally fused/automatic reset
- Weep hole between valve and actuator



Electric Valves

Valves

¾"-2" Electric Valves

Features:

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- EPDM O-rings
- 12-volt DC operated
- 24-volt available in most models
- Easily repairable
- Open/closed indicator
- ON/OFF has ¾ second response
- Regulating has 4 second response

Repair Kit Includes:

1. Stem with Seals
2. Gasket
3. Body O-Ring
4. Ball Seals

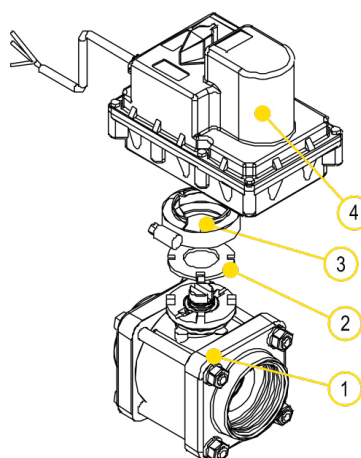


¾"-1¼" ON/OFF ELECTRIC VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
EV075	¾" Full Port Electric Valve	300	¾"	1"
EV100FP	1" Full Port Electric Valve	300	1"	1"
EV125	1¼" Electric Valve	300	1¼"	1"

¾"-1¼" REGULATING ELECTRIC VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
EVR075	¾" Full Port Electric Valve	300	¾"	1"
EVR100FP	1" Full Port Electric Valve	300	1"	1"
EVR125	1¼" Electric Valve	300	1¼"	1"



REPLACEMENT PARTS

ITEM	MFR PART #	DESCRIPTION
①	EV075XR1	¾" Full Port Electric Valve Sub Assembly
①	EV100XR1	1" Electric Valve Sub Assembly
①	EV125XR1	1¼" Electric Valve Sub Assembly
②	MVE004	Electric Valve Flange Gasket
③	FC100	1" Flange Clamp
④	EV3300	¾ Second 3 Wire Motor Assembly
④	EVR3300	Regulating 4 Wire, 4 Second
KIT	EV10210	Repair Kit

How to order:

Specify Mfr Part #.

Example: EV075

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Electric Valves

Valves

1½"- 2" Threaded

Features:

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- EPDM O-rings
- 12-volt DC operated
- 24-volt available in most models
- Easily repairable
- Open/closed indicator
- ON/OFF has 1¼ second response
- Regulating has 4 second response

Repair Kit Includes:

1. Stem with Seals
2. Gasket
3. Body O-Ring
4. Ball Seals

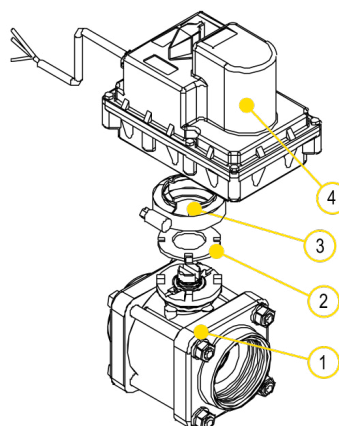


1½"-2" ON/OFF ELECTRIC VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
EV150	1½" Electric Valve	300	1½"	1½"
EV200	2" Electric Valve	300	2"	1½"

1½" REGULATING ELECTRIC VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
EVR150	1½" Electric Valve	300	1½"	1½"



REPLACEMENT PARTS

ITEM	MFR PART #	DESCRIPTION
①	EV150XR1	1½" Full Port Electric Valve Sub Assembly
①	EV200XR1	2" Electric Valve Sub Assembly
②	MVE004	Electric Valve Flange Gasket
③	FC100	1" Flange Clamp
④	EV4300	1¼ Second 3 Wire Motor Assembly
④	EVR4300	Regulating 4 Wire, 4 Second
KIT	EV20210	Repair Kit

How to order:

Specify Mfr Part #.

Example: EV150

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Electric Valves

Valves

2" Full Port Threaded

Features:

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- EPDM O-rings
- 12-volt DC operated
- 24-volt available in most models
- Easily repairable
- Open/closed indicator
- ON/OFF has 1¼ second response
- Regulating has 4 second response

Repair Kit Includes:

1. Stem with Seals
2. Gasket
3. Body O-Ring
4. Ball Seals



2" FULL PORT ON/OFF ELECTRIC VALVES

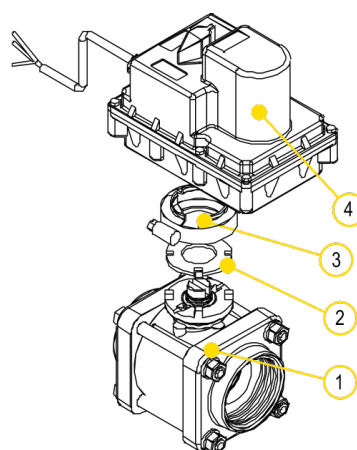
MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
EV204FP	2" Full Port Electric Valve	225	2"	2"

2" FULL PORT REGULATING ELECTRIC VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
EVR204FP	2" Full Port Electric Valve	225	2"	2"

REPLACEMENT PARTS

ITEM	MFR PART #	DESCRIPTION
①	EV204XR1	2" Electric Valve Sub Assembly
②	MVE004	Electric Valve Flange Gasket
③	FC100	1" Flange Clamp
④	EV4300	1¼ Second 3 Wire Motor Assembly
④	EVR4300	0 Regulating 4 Wire, 4 Second
KIT	EV25210	Repair Kit


How to order:

Specify Mfr Part #.

Example: EV204FP

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Electric Valves

Valves

¾" - 2" 3 Way**Features:**

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- EPDM O-rings
- 12-volt DC operated
- 24-volt available in most models
- Easily repairable
- Open/closed indicator
- ¾ second response for ¾"-1"
- 1½ second response for 1½"-2"
- Directional flow right

Repair Kit Includes:

1. Stem with Seals
2. Gasket
3. Body O-Ring
4. Ball Seals

**¾"-2" ON/OFF BOTTOM LOAD ELECTRIC VALVES**

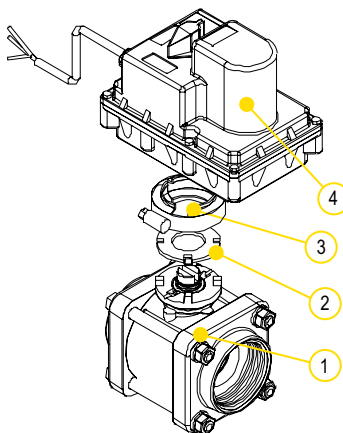
MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
EV075BL	¾" Full Port Bottom Load Electric Valve	300	¾"	1"
EV100BL	1" Bottom Load Electric Valve	300	1"	1"
EV150BL	1½" Bottom Load Electric Valve	225	1½"	1½"
EV200BL	2" Bottom Load Electric Valve	225	2"	1½"

¾"-2" ON/OFF SIDE LOAD ELECTRIC VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
EV075SL	¾" Full Port Side Load Electric Valve	300	¾"	1"
EV100SL	1" Side Load Electric Valve	300	1"	1"
EV150SL	1½" Side Load Electric Valve	300	1½"	1½"
EV200SL	2" Side Load Electric Valve	300	2"	1½"

REPLACEMENT PARTS

ITEM	MFR PART #	DESCRIPTION
①	EV075BLXR1	¾" Electric Valve Sub Assembly
①	EV100BLXR1	1" Electric Valve Sub Assembly
①	EV150BLXR1	1½" Electric Valve Sub Assembly
①	EV200BLXR1	2" Electric Valve Sub Assembly
①	EV075SLXR1	¾" Electric Valve Sub Assembly
①	EV100SLXR1	1" Electric Valve Sub Assembly
①	EV150SLXR1	1½" Electric Valve Sub Assembly
①	EV200SLXR1	2" Electric Valve Sub Assembly
②	MVE004	Electric Valve Flange Gasket
③	FC100	1" Flange Clamp
④	EV3300	¾ Second 3 Wire Motor Assembly
④	EV4300	1½ Second 3 Wire Motor Assembly
KIT	EV10210	Repair Kit (¾"-1")
KIT	EV20210	Repair Kit (1½"-2")

**How to order:**

Specify Mfr Part #.

Example: EV075BL

Note: 3 way regulating valves are not shown but contact our sales team for part number and availability of valves.

Electric Valves

Valves

2" Full Port Threaded

Features:

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- 12-volt DC operated
- 24-volt available in most models
- Easily repairable
- Open/closed indicator
- 1¼ second response time
- Directional flow right or left and cannot be turned off

Repair Kit Includes:

1. Stem with Seals
2. Gasket
3. Body O-Ring
4. Ball Seals



2" FULL PORT ON/OFF BOTTOM LOAD ELECTRIC VALVES

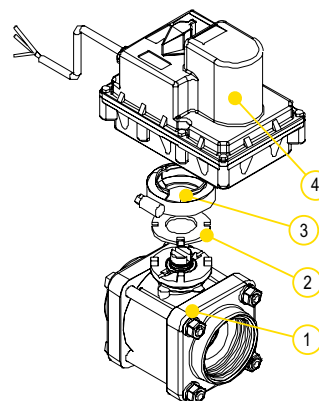
MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
EV204BLFP	2" Bottom Load Electric Valve	200	2"	2"

2" FULL PORT ON/OFF SIDE LOAD ELECTRIC VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
EV204SLFP	2" Side Load Electric Valve	150	2"	2"

REPLACEMENT PARTS

ITEM	MFR PART #	DESCRIPTION
①	EV204BLXR1	2" Full Port Electric Valve Sub Assembly
①	EV204SLXR1	2" Full Port Electric Valve Sub Assembly
②	MVE004	Electric Valve Flange Gasket
③	FC100	1" Flange Clamp
④	EV4300	1¼ Second 3 Wire Motor Assembly
KIT	EV25210	Repair Kit


How to order:

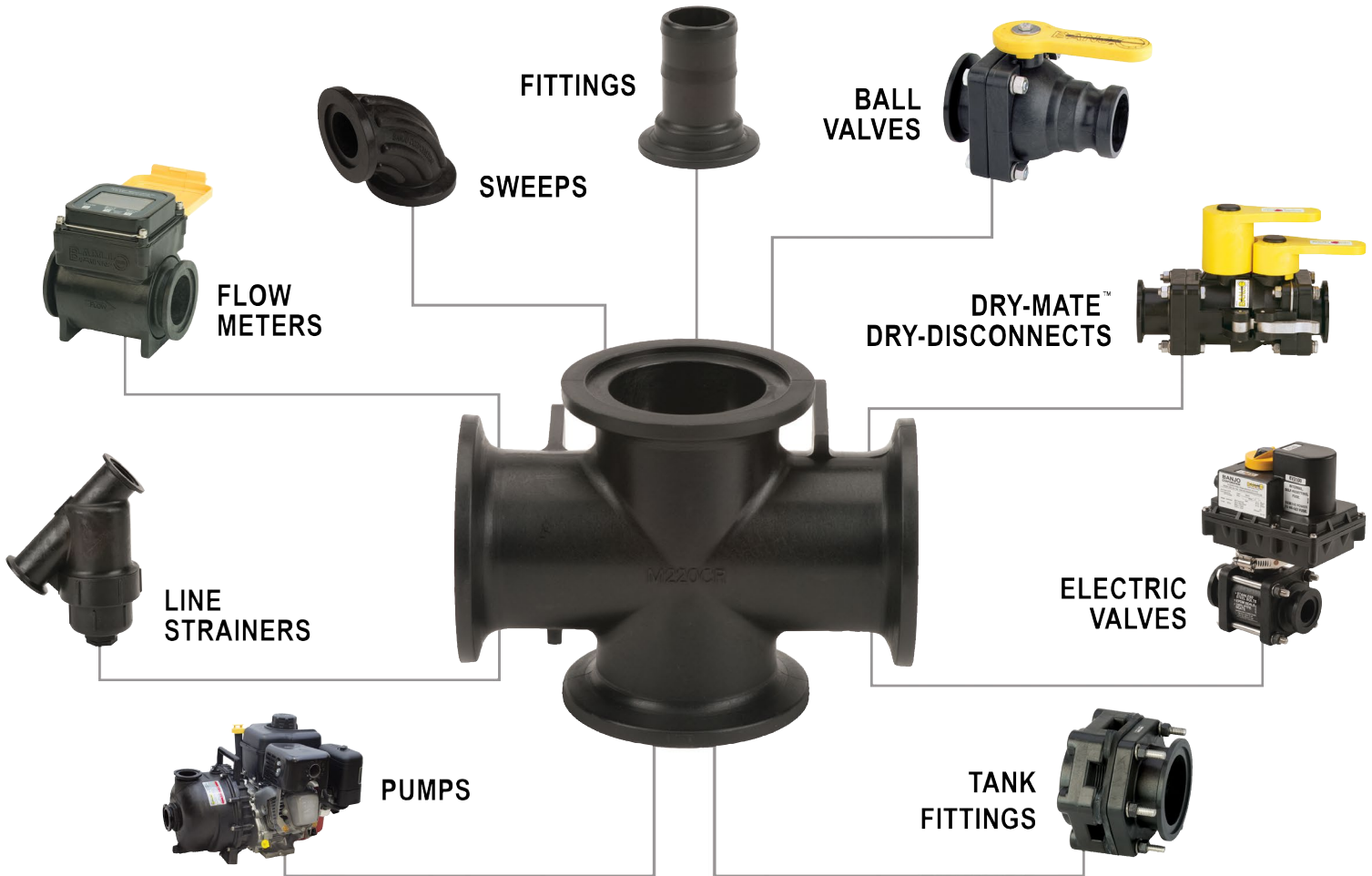
Specify Mfr Part #.

Example: EV204BLFP

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Electric Manifold Valve**Manifold Flange Connections**

Banjo Manifold Systems are manufactured with a Flange Connection and are available in glass-injected polypropylene and stainless steel materials. These systems are produced and assembled locally, so we can ensure that each system is of the highest quality and ready to be used for Agriculture and Industrial liquid applications

**Skip the Tape and Sealant**

Flange connections utilize clamps instead of threads, facilitating quick and easy assembly and disassembly while ensuring a leak-proof system. Threaded pipe needs tape or sealant, and the slightest imperfection in the pipe or seal can cause a leak. With properly installed flange connections, you won't worry about connection leaks or wait for sealant to cure.

Save Time. Save Money

Time spent unthreading systems and repairing leaks from faulty connections is unproductive and ultimately hits your pocketbook. Banjo's manifold flange systems get you back in the field and out of the shop in no time.

Get Right to the Source

With Banjo manifold flange connections, the days of spending hours unhooking entire systems of valves and fittings are over. You can directly isolate and replace the problematic part or replumb sections without disassembling the whole system.

Electric Manifold Valve

Manifold Flange Connections

1" Electric Manifold Valve Assemblies

Features:

- Fiberglass reinforced polypropylene
- PTFE seats
- 12-volt DC operated
- Internally fused/automatic reset
- Open/closed indicator

1" MANIFOLD VALVE ASSEMBLIES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE
MEV102CF	1" Manifold 2 Bank Valve Assembly	300	2" In 1" Out
MEV103CF	1" Manifold 3 Bank Valve Assembly	300	2" In 1" Out
MEV104CF	1" Manifold 4 Bank Valve Assembly	300	2" In 1" Out
MEV105CF	1" Manifold 5 Bank Valve Assembly	300	2" In 1" Out

How to order:

Specify Mfr Part #.

Example: MEV102CF



1" Electric Manifold

Features:

- Fiberglass reinforced polypropylene
- TFM seats
- EPDM seals
- 12-volt DC operated
- Internally fused/automatic reset
- Open/closed indicator
- Stationary current draw: less than 0.04 amps
- Rotating current draw: less than 0.40 amps
- Stall current: 0.75 amps
- 1/3 second response time
- Integrated mounting slot
- 3 wire configuration



1" ON/OFF ELECTRIC VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
MLEV100	1" Manifold Electric Valve	300	1"	½"

How to order:

Specify Mfr Part #.

Example: MLEV100

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Electric Manifold Valve

Manifold Flange Connections

1"- 2" Electric Manifold Valves

Features:

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- EPDM O-rings
- 12-volt DC operated
- 24-volt available in most models
- Easily repairable
- Open/closed indicator
- ON/OFF has ¾ second response(1")
- ON/OFF has 1¼ second response(2")

- ON/OFF has 3 second response (5 way)
- Regulating has 4 second response

Repair Kit Includes:

1. Stem with Seals
2. Gasket
3. Body O-Ring
4. Ball Seals



1"-2" ON/OFF ELECTRIC MANIFOLD VALVES

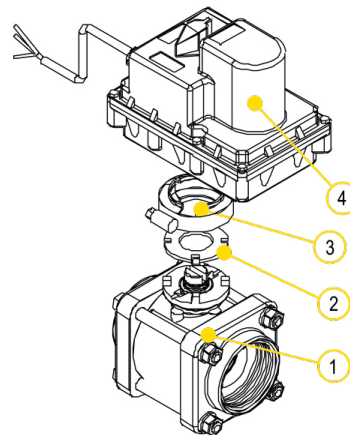
MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
MEV100CF	1" Full Port Manifold Electric Valve	300	1"	1"
MEV200CF	2" Standard Port Manifold Electric Valve	300	2"	1½"
MEV220CF	2" Full Port Manifold Electric Valve	225	2"	2"
MEV225CF	2" Full Port Manifold Electric 5 Way Valve	300	2"	2"

1"-2" REGULATING ELECTRIC MANIFOLD VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
MEVR100CF	1" Full Port Manifold Electric Valve	300	1"	1"
MEVR200CF	2" Standard Port Manifold Electric Valve	300	2"	1½"
MEVR220CF	2" Full Port Manifold Electric Valve	225	2"	2"

REPLACEMENT PARTS

ITEM	MFR PART #	DESCRIPTION
①	MEV100XR1	1" Full Port Electric Valve Sub Assembly
①	MEV200XR1	2" Electric Valve Sub Assembly
①	MEV220XR1	2" Full Port Electric Valve Sub Assembly
②	MVE004	Electric Valve Flange Gasket
③	FC100	1" Flange Clamp
④	EV3300	¾ Second 3 Wire Motor Assembly For 1"
④	EV4300	1¼ Second 3 Wire Motor Assembly FOR 2"
④	EVR3300	Regulating 4 Wire, 4 Second For 1"
④	EVR4300	Regulating 4 Wire, 4 Second For 2"
KIT	EV10210	Repair Kit For 1"
KIT	EV20210	Repair Kit For 2"
KIT	EV25210	Repair Kit For 2" Full Port
KIT	MV225200	Repair Kit For 2" Full Port 5 Way



How to order:

Specify Mfr Part #.

Example: MEV100CF

Electric Manifold Valve

Manifold Flange Connections

1"- 2" Electric Manifold 3 Way Bottom Load Valves

Features:

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- 12-volt DC operated
- Open/closed indicator
- ¾ second response for 1" On/Off
- 1¼ second response for 2" On/Off
- 4 second response for Regulating
- Directional flow right or left and cannot be turned off
- Regulating valve not available in this configuration

Repair Kit Includes:

1. Stem with Seals
2. Gasket
3. Body O-Ring
4. Ball Seals

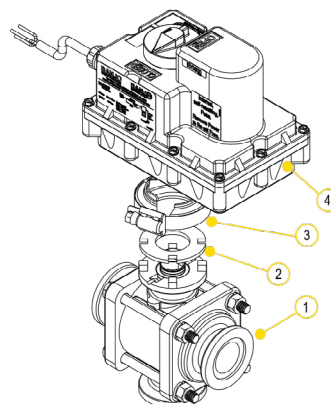


1"-2" ON/OFF BOTTOM LOAD ELECTRIC MANIFOLD VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
MEV100BLCF	1" Full Port Manifold Bottom Load Electric Valve	300	1"	1"
MEV200BLCF	2" Standard Port Manifold Bottom Load Electric Valve	300	2"	1½"
MEV220BLCF	2" Full Port Manifold Bottom Load Electric Valve	150	2"	2"

REPLACEMENT PARTS

ITEM	MFR PART #	DESCRIPTION
①	MEV100BLXR1	1" Full Port Manifold Electric Valve Sub Assembly
①	MEV200BLXR1	2" Manifold Electric Valve Sub Assembly
①	MEV220BLXR1	2" Full Port Manifold Electric Valve Sub Assembly
②	MVE004	Electric Valve Flange Gasket
③	FC100	1" Flange Clamp
④	EV3300	¾ Second 3 Wire Motor Assembly
④	EV4300	1¼ Second 3 Wire Motor Assembly
KIT	EV10210	Repair Kit (1")
KIT	EV20210	Repair Kit (2")
KIT	EV25210	Repair Kit (2" Full Port)


How to order:

Specify Mfr Part #.

Example: MEV100BLCF

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Electric Manifold Valve

Manifold Flange Connections

1"- 2" Electric Manifold 3 Way Side Load Valves

Features:

- 316 stainless steel ball & stem
- Stainless steel hardware
- Fiberglass reinforced polypropylene
- PTFE seats
- 12-volt DC operated
- Open/closed indicator
- ¾ second response for 1" On/Off
- 1¼ second response for 2" On/Off
- 4 second response for Regulating
- Directional flow right or left and cannot be turned off

Repair Kit Includes:

1. Stem with Seals
2. Gasket
3. Body O-Ring
4. Ball Seals



1"-2" ON/OFF SIDE LOAD ELECTRIC MANIFOLD VALVES

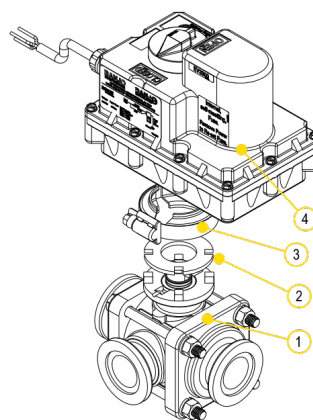
MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
MEV100SLCF	1" Full Port Manifold Side Load Electric Valve	300	1"	1"
MEV200SLCF	2" Standard Port Manifold Side Load Electric Valve	300	2"	1½"
MEV220SLCF	2" Full Port Manifold Side Load Electric Valve	150	2"	2"

1"-2" REGULATING SIDE LOAD ELECTRIC MANIFOLD VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
MEVR100SLCF	1" Full Port Manifold Side Load Electric Valve	300	1"	1"
MEVR200SLCF	2" Standard Port Manifold Side Load Electric Valve	300	2"	1½"
MEVR220SLCF	2" Full Port Manifold Side Load Electric Valve	150	2"	2"

REPLACEMENT PARTS

ITEM	MFR PART #	DESCRIPTION
①	MEV100SLXR1	1" Full Port Manifold Electric Valve Sub Assembly
①	MEV200SLXR1	2" Manifold Electric Valve Sub Assembly
①	MEV220SLXR1	2" Full Port Manifold Electric Valve Sub Assembly
②	MVE004	Electric Valve Flange Gasket
③	FC100	1" Flange Clamp
④	EV3300	¾ Second 3 Wire Motor Assembly
④	EV4300	1¼ Second 3 Wire Motor Assembly
④	EVR3300	Regulating 4 Wire, 4 Second Motor Assembly For 1"
④	EVR4300	Regulating 4 Wire, 4 Second Motor Assembly For 2"
KIT	EV10210	Repair Kit (1")
KIT	EV20210	Repair Kit (2")
KIT	EV25210	Repair Kit (2" Full Port)



How to order:

Specify Mfr Part #.

Example: MEV100SLCF

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Manifold Valve

Manifold Flange Connections

1" - 3" 4 & 6 Bolted Valves

Features:

- FKM seals.
- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats cannot stick or bind Stainless steel bolts

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring



MANIFOLD 4 & 6 BOLTED VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
MV100CF	1" Standard Port Manifold Valve	300	1"	1"	V10153A	V10200
MV200CF	2" Standard Port Manifold Valve	225	2"	1½"	V20153	V20200
MV220CF	2" Full Port Manifold Valve	300	2"	2"	V25153	V25200
MV300	3" Standard Port Manifold Valve	150	3"	2½"	V25153	V30200
MV300CF	3" Full Port Manifold Valve	200	3"	3"	V25153	V35200

How to order:

Specify Mfr Part #.
Example: MV100CF

2 Bolted 5 Way Valve

Features:

- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats.
- PTFE self-lubricating stem bushings and seats cannot stick or bind
- Stainless steel bolts



MANIFOLD BOLTED 5 WAY VALVE

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPAIR KIT
MV225CF	2" Full Port Manifold 5 Way Valve	100	2"	2"	MV225200

How to order:

Specify Mfr Part #.
Example: MV225CF

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Manifold Valve

Manifold Flange Connections

2" Stubby Valves

Features:

- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats cannot stick or bind
- Stainless steel bolts
- Standard size has TFE seals and Full Port size has FKM seals

Repair Kit Includes:

- Ball
- Body gasket
- Thrust washer
- Ball seats
- Upper stem bushing
- Stem o-ring



2" MANIFOLD STUBBY VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
VSMT200CF	2" Standard Port Manifold Valve Flange X Male NPT W/TFE Seals	150	2"	1½"	VS20152SH	VS20200
VSF200CF	2" Standard Port Manifold Valve Flange X Male Adapter W/TFE Seals	100	2"	1½"	VS20152SH	VS20200
MVS220FP	2" Full Port Manifold Valve Flange X Female NPT W/FKM Seals	300	2"	2"	VS25153	VS25200
MVSF220FP	2" Full Port Manifold Valve Flange X Male Adapter W/FKM Seals	150	2"	2"	VS25153	VS25200
MVS220CF	2" Full Port Manifold Valve Flange X Flange W/FKM Seals	150	2"	2"	VS25153	VS25200
MVSMT220FP	2" Full Port Manifold Valve Flange X Male NPT W/FKM Seals	225	2"	2"	VS25153	VS25200

How to order:

Specify Mfr Part #.
Example: VSMT200CF

2" FP Stubby Valves With Stainless Steel

Features:

- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats
- Stainless steel bolts
- Compact design
- FKM seals

Repair Kit Includes:

- Ball
- Body gasket
- Thrust washer
- Ball seats
- Upper stem bushing
- Stem o-ring



2" FULL PORT MANIFOLD STUBBY VALVES WITH SS

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
MVS220HSFP	2" Full Port Manifold Stubby Valve Flange X Flange With SS Ball, Stem & Handle	200	2"	2"	VS25153SS	VSSH25200
MVSF220HSFP	2" Full Port Manifold Stubby Valve Flange X Male Adapter With SS Ball, Stem & Handle	150	2"	2"	VS25153SS	VSSH25200
MVSMT220HSFP	2" Full Port Manifold Stubby Valve Male NPT X Flange With SS Ball, Stem & Handle	200	2"	2"	VS25153SS	VSSH25200

How to order:

Specify Mfr Part #.
Example: MVS220HSFP

Manifold Valve

Manifold Flange Connections

2" FP Stubby Stainless Steel

Features:

- PTFE seals, no elastomers
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats cannot stick or bind



2" FULL PORT MANIFOLD STUBBY STAINLESS STEEL VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
MVS220HSFP	2" Full Port Manifold Stubby SS Valve Flange X Flange	200	2"	2"	VSS20153	VSS25200
MVSF220HSFP	2" Full Port Manifold Stubby SS Valve Flange X Male Adapter	150	2"	2"	VSS20153	VSS25200
MVSMT220HSFP	2" Full Port Manifold Stubby SS Valve Male NPT X Flange	200	2"	2"	VSS20153	VSS25200

How to order:

Specify Mfr Part #.

Example: MVS220HSFP

3 Manifold Stubby Valves

Features:

- FKM seals
- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats cannot stick or bind
- Stainless steel bolts

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring



3" MANIFOLD STUBBY VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
MVSF300	3" Standard Port Manifold Valve Flange X Male Adapter	100	3"	2½"	V25153	VS30200
MVSF300FP	3" Full Port Manifold Valve Flange X Male Adapter	100	3"	3"	V25153	VS35200
MVSMT300	3" Standard Port Manifold Valve Flange X Male NPT	225	3"	2½"	V25153	VS30200
MVS300CF	3" Standard Port Manifold Valve Flange X Flange	200	3"	2½"	V25153	VS30200
MVS300CFFP	3" Full Port Manifold Valve Flange X Flange	150	3"	3"	V25153	VS35200

How to order:

Specify Mfr Part #.

Example: MVSF300

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Manifold Valve

Manifold Flange Connections

3 Way Bottom Load Ball Valves

Features:

- Stainless steel bolts
- Precision molded in fiberglass reinforced polypropylene for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation
- Ball is diamond turned after molding to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats
- FKM body seals
- Directional flow, right or left. Valve can be turned off to stop flow

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring



3 WAY BOTTOM LOAD MANIFOLD VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	HANDLE TYPE	REPLACEMENT HANDLE	REPAIR KIT
MV100BL	1" 3-Way Bottom Load Manifold Valve	300	1"	1"	T	V10353TB	MV10300SL
MV200BL	2" 3-Way Bottom Load Manifold Valve	225	2"	1½"	T	V20353TB	MV10300SL
MV220BL	2" FP 3-Way Bottom Load Manifold Valve	150	2"	2"	Straight	V25353B	V25200BL
MV300BL	3" FP 3-Way Bottom Load Manifold Valve	150	3"	3"	Straight	V25353B	V35200BL

How to order:

Specify Mfr Part #.
Example: MV100BL

3 Way Side Load Ball Valves

Features:

- Stainless steel bolts
- Precision molded in fiberglass reinforced polypropylene for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation
- Ball is diamond turned after molding to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats
- FKM body seals
- Directional flow, right or left. Valve cannot be turned off to stop flow



3 WAY SIDE LOAD MANIFOLD VALVES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	HANDLE TYPE	REPLACEMENT HANDLE	REPAIR KIT
MV100SL	1" 3-Way Side Load Manifold Valve	300	1"	1"	T	V20353TS	MV10300SL
MV200SL	2" 3-Way Side Load Manifold Valve	225	2"	1½"	Straight	V20153SH	MV10300SL
MV220SL	2" 3-Way Side Load Full Port Manifold Valve	100	2"	2"	Straight	V25153SH	V25200BL

How to order:

Specify Mfr Part #.
Example: MV100SL

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Manifold Valve

Manifold Flange Connections

Pressure Spike Valves

Features:

- FKM seals.
- Precision molded polypropylene is reinforced with fiberglass for additional strength
- 360° orientation
- Poppet is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats
- Preset pressure spring



MANIFOLD PRESSURE SPIKE VALVES

MFR PART #	DESCRIPTION	PRESSURE SPIKE
MPRV100-100	1" Manifold Pressure Spike Valve	300
MPRV100-125	1" X 1½" Manifold Pressure Spike Valve	300

How to order:

Specify Mfr Part #.

Example: MPRV100-100

Dry-Mate™ Dry-Disconnects

Features:

- Easy to use
- Minimal fluid spillage
- Reduces risk of exposure
- Wide range of chemical resistance
- When properly installed and operated, the assembly will not accidentally separate while fluid is flowing; preventing costly mishaps.
- Spillage data: 2" = 4ml, 3" = 15ml

Repair Kit Includes:

1. Face seal
2. Ball
3. Seats
4. Body gasket
5. Thrust bearings
6. Stem bushings



MANIFOLD DRY DISCONNECTS

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
DM200ACF	2" Male Manifold Dry-Mate With FKM Seals	100	2"	1½"	DM20153M	DM20200A
DM200DCF	2" Female Manifold Dry-Mate With FKM Seals	100	2"	1½"	DM20153F	DM20200D
DM300ACF	3" Male Manifold Dry-Mate With FKM Seals	150	3"	3"	DM35153M	DM35200
DM300DCF	3" Female Manifold Dry-Mate With FKM Seals	150	3"	3"	DM35153F	DM35200

How to order:

Specify Mfr Part #.

Example: DM200ACF

Boom Nozzle Pipe Adapter

Features:

- Eliminates having to thread pipe
- Quick and easy assembly
- No welding necessary
- 360° orientation



BOOM NOZZLE PIPE ADAPTER

MFR PART #	DESCRIPTION	MAX PSI
M100PA	1" Flanged Pipe Adapter	300
M100PAC	1" Flanged Pipe Adapter Cap	300
M100PAT	1" Flanged Pipe Adapter Tee	300

How to order:

Specify Mfr Part #.

Example: M100PA

Inductor Systems

Manifold Flange Connections

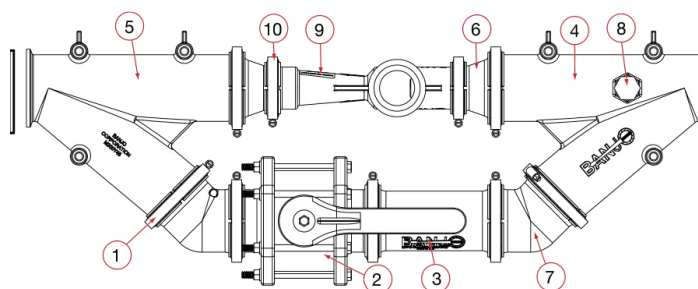
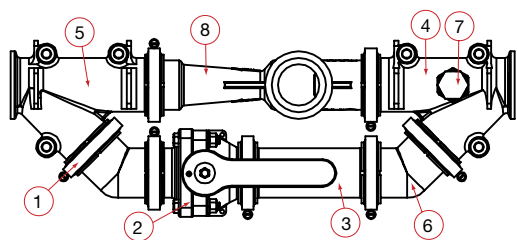
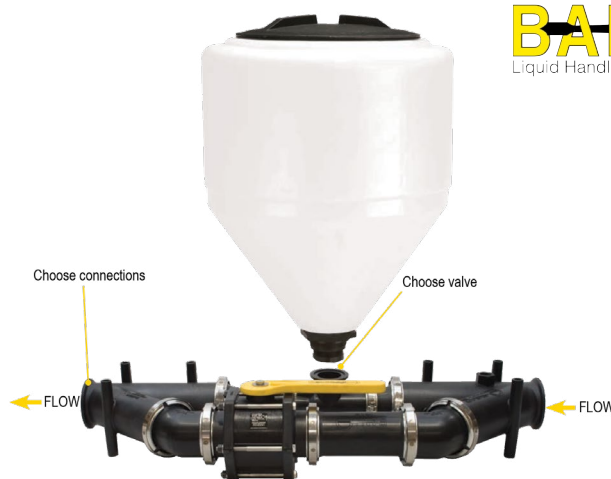
Inductor Systems

Features:

- Installed after pump; suction completely empties inductor tank
- Keeps pump free of chemicals
- Choose your connections and valve
- Tank for illustration purposes only, not included



MANIFOLD INDUCTOR SYSTEMS		
MFR PART #	DESCRIPTION	MAX PSI
MIS220	2" Full Port Manifold Inductor System Flange X Flange Assembled	225
MIS300	3" Full Port Manifold Inductor System Flange X Flange Assembled	150



MANIFOLD INDUCTORS			
ITEM	MFR PART #	DESCRIPTION	QTY
1	FC220	220 Series Worm Screw Clamp	10
2	MVS220CF	2" FP Flange X 2" FP Flange	1
3	M220CPG6	2" X 2" Full Port Flange X 6"	1
4	M220YG45	2" Full Port 45° Y FLANGE W/ 3/4" Gauge Port*	1
5	M220Y45	2" Full Port 45° Y Flange	1
6	M220CPG45	2" Full Port 45° Coupling	2
7	PLUG075	3/4" Pipe Plug	1
8	MHV220A	2" Full Port Poly Venturi	1
N/S	M221G	2" Full Port EPDM Manifold Gasket With Rib	7

How to order:

Specify Mfr Part #.
Example: MIS220

MANIFOLD INDUCTORS			
ITEM	MFR PART #	DESCRIPTION	QTY
1	FC300	300 Series Worm Screw Clamp	7
2	MV301CF	3" FP Flange X 3" FP Flange	1
3	M300CPG7	3" X 3" Full Port Flange X 7"	1
4	M300YG45	3" Full Port 45° Y Flange W/ 3/4" Gauge Port*	1
5	M300Y45	3" Full Port 45° Y Flange	1
6	M300220CPG	3" X 2" Full Port Reducer Flange	1
7	M300CPG45	3" Full Port 45° Coupling	2
8	PLUG075	3/4" Pipe Plug	1
9	MHV220A	2" Full Port Poly Venturi	1
10	FC220	220 Series Worm Screw Clamp	3
N/S	M221G	2" Full Port EPDM Manifold Gasket With Rib	2
N/S	M301G	3" EPDM Manifold Gasket With Rib	7

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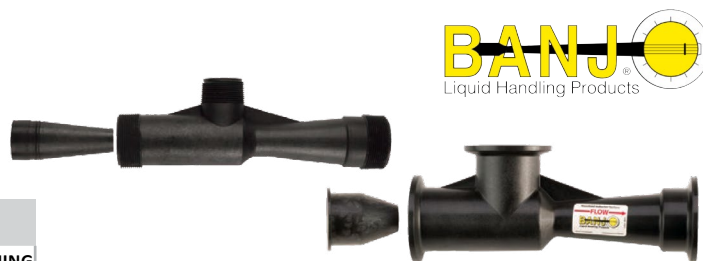
Inductors & Fittings

Manifold Flange Connections

Inductors

Features:

- Threaded or manifold ends
- Glass reinforced polypropylene
- Designed for use with a volume pump. Typical volumes (80-240 US GPM) and pressures (26-52 PSI) should be used to operate the inductor



MANIFOLD INDUCTORS

MFR PART #	DESCRIPTION	PRESSURE AT PUMP	VOLUME DRAW	OPENING SIZE
HV200	2" MPT Inductor	225	49 GPM	1/2"
MHV200	2" Manifold Inductor With 1 1/2" Port	300	37 GPM	1/2"
MHV220A	2" Full Port Manifold Inductor	225	49 GPM	1/2"

How to order:

Specify Mfr Part #.

Example: HV200

Fittings

Valve

Check Valves

CHECK VALVES

MFR PART #	DESCRIPTION	MAX PSI
MCV100	1" Flanged Check Valve	300
MCV200	2" Flanged Check Valve	300
MCV221	2" Full Port Flanged Check Valve	200
MCV300	3" Flanged Check Valve	200



How to order:

Specify Mfr Part #.

Example: MCV100

Bolts

U BOLTS

MFR PART #	DESCRIPTION	MAX PSI
UB100	1 Series Mounting U Bolt	N/A
UB202	2 Series Mounting U Bolt	N/A
UB220	220 Series Mounting U Bolt	N/A



How to order:

Specify Mfr Part #.

Example: UB100

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Quick Disconnects

Dry - Mates

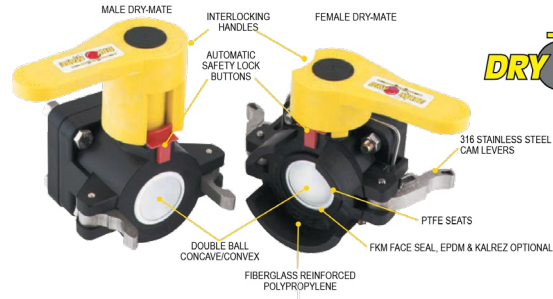
2" Poly Dry-Mates

Features:

- Lightweight
- Easy to use
- Economical
- Reduces risk of exposure
- Wide range of chemical resistance
- Unrestricted 1½" flow
- Patented double ball design with cam lever connection
- When properly installed and operated, the assembly will not accidentally separate while fluid is flowing; preventing costly mishaps
- Spillage data: 2" = 4ml

Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring

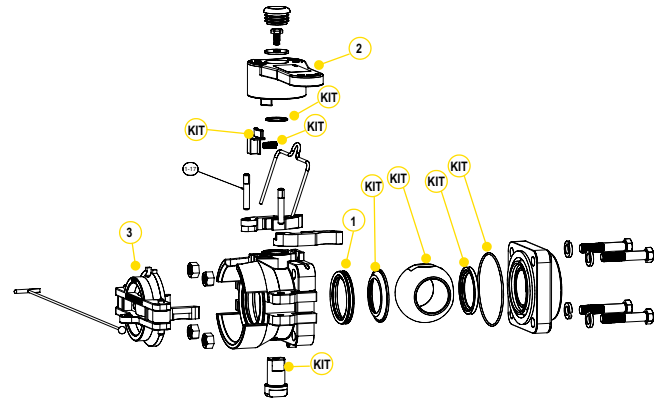
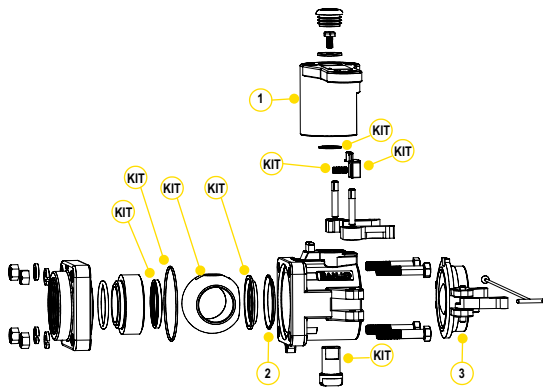


2" POLY MALE DRY-MATE

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
DM200A	2" Male X FPT NPT W/FKM Seals	100	2"	1½"
DM200AB	2" Male X FPT BSP W/FKM Seals	100	2"	1½"
DM200AE	2" Male X FPT NPT W/EPDM Seals	100	2"	1½"
DM200AT	2" Male X FPT NPT W/ KALREZ® Seals	100	2"	1½"
DMMT201A	2" Male X Male NPT W/LOW Profile Handle	100	2"	1½"
DMMT201AE	2" Male X Male NPT W/LOW Profile Handle W/ EPDM Seals	100	2"	1½"

2" POLY FEMALE DRY-MATE

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
DM200D	2" Female X FPT NPT W/FKM Seals	100	2"	1½"
DM200DB	2" Female X FPT BSP W/FKM Seals	100	2"	1½"
DM200DE	2" Female W/EPDM Seals	100	2"	1½"
DM200DT	2" Female W/KALREZ® Seals	100	2"	1½"



REPLACEMENT PARTS MALE

ITEM	MFR PART #	DESCRIPTION	QTY
①	DM20153M	Male Handle	1
①	DB20153M	Low Profile Handle	1
②	DB20290	FKM Face Seal	1
②	DM20295A	EPDM Face Seal	1
②	DM20296	KALREZ® Face Seal	1
③	DM200CAP	Dust Cap	1
KIT	DM20200A	Repair Kit For DM200A	1

REPLACEMENT PARTS FEMALE

ITEM	MFR PART #	DESCRIPTION	QTY
①	DM20294A	FKM Face Seal	1
①	DM20295A	EPDM Face Seal	1
①	DM20296	KALREZ® Face Seal	1
②	DM20153F	Female Handle	1
③	DM200PL	Dust Plug	1
KIT	DM20200D	Repair Kit For DM200D	1

How to order:

Specify Mfr Part #.

Example: DM200A

Quick Disconnects

Dry - Mates

2" Full Port Poly Dry-Mates

Features:

- Lightweight
- Easy to use
- Economical
- Reduces risk of exposure
- Wide range of chemical resistance
- Unrestricted 2" flow
- Patented double ball design with cam lever connection
- When properly installed and operated, the assembly will not accidentally separate while fluid is flowing; preventing costly mishaps
- Spillage data: 2" = 2ml

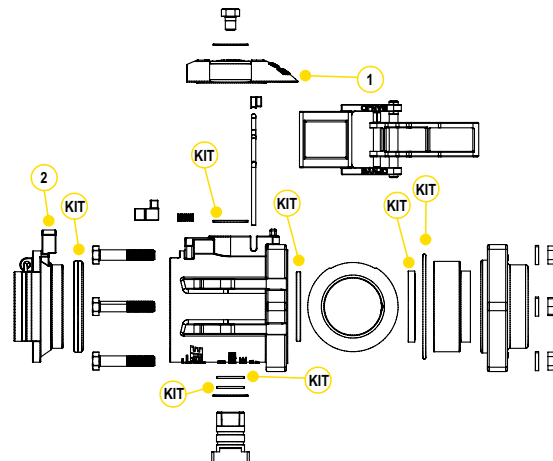
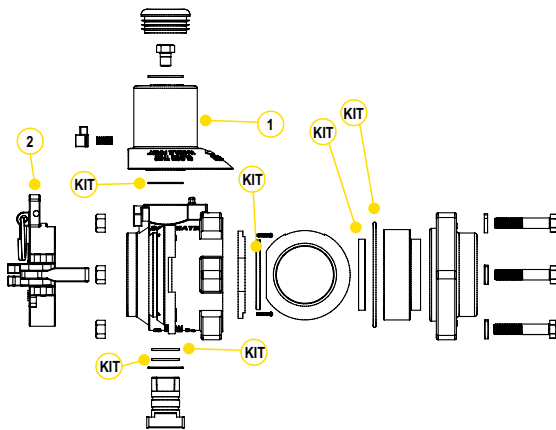
Repair Kit Includes:

1. Body gasket
2. Thrust washer
3. Ball seats
4. Upper stem bushing
5. Stem o-ring
6. Face seal



2" FULL PORT POLY DRY-MATES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
DM220D	2" Female BSP X FPT NPT W/FKM Seals	225	2"	2"
DM220DB	2" Female X FPT NPT W/FKM Seals	225	2"	2"
DM220A	2" Male X FPT W/FKM Seals	225	2"	2"
DM220AB	2" Male BSP X FPT W/FKM Seals	225	2"	2"



REPLACEMENT PARTS MALE

ITEM	MFR PART #	DESCRIPTION	QTY
①	DM25153M	Male Handle	1
②	DM220CAP	Dust Cap	1
KIT	DM25200	Repair Kit	1

REPLACEMENT PARTS FEMALE

ITEM	MFR PART #	DESCRIPTION	QTY
①	DM25153F	Female Handle	1
②	DM221PL	Dust Plug	1
KIT	DM25200	Repair Kit	1

How to order:

Specify Mfr Part #.
Example: DM220D

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Quick Disconnects

Dry-Mates

3" Full Port Poly Dry-Mates

Features:

- Lightweight
- Easy to use
- Economical
- Reduces risk of exposure
- Wide range of chemical resistance
- Unrestricted 3" flow
- Patented double ball design with cam lever connection
- When properly installed and operated, the assembly will not accidentally separate while fluid is flowing; preventing costly mishaps
- Spillage data: 3" = 15ml

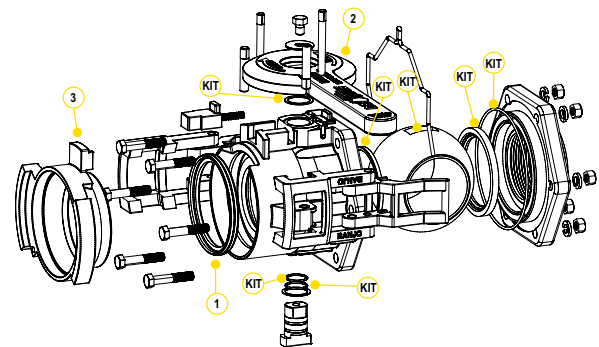
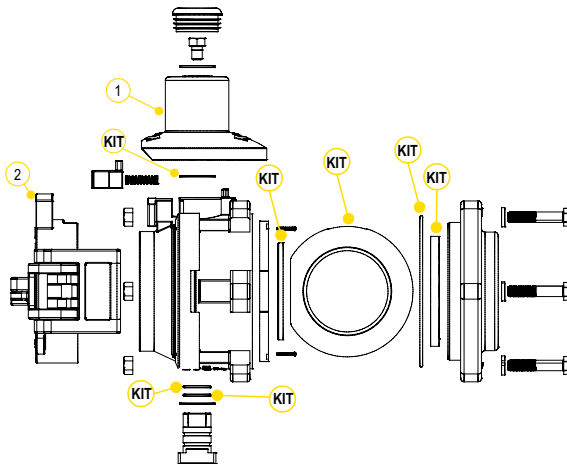
Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring
7. Face seal



3" FULL PORT POLY DRY-MATES

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
DM300AFP	3" FP Male X 3" Female NPT Threads W/ FKM Seals	150	3"	3"
DM300ABFP	3" FP Male X 3" BSP Threads W/ FKM Seals	150	3"	3"
DM300DFP	3" FP Female X 3" Female NPT Threads W/ FKM Seals	150	3"	3"
DM300DBFP	3" FP Female X 3" BSP Threads W/ FKM Seals	150	3"	3"



REPLACEMENT PARTS MALE

ITEM	MFR PART #	DESCRIPTION	QTY
①	DM35153M	Male Handle	1
②	DM300CAP	Dust Cap	1
KIT	DM35200	Repair Kit	1

REPLACEMENT PARTS FEMALE

ITEM	MFR PART #	DESCRIPTION	QTY
①	DM35294	Face Seal FKM	1
②	DM35153F	Female Handle	1
③	DM300PL	Dust Plug	1
KIT	DM35200	Repair Kit	1

How to order:

Specify Mfr Part #.
Example: DM300AFP

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Quick Disconnects

Dry-Mates

1" Full Port Stainless Steel Dry-Mates

Features:

- 316 stainless steel construction
- Unrestricted 1" flow
- Patented double ball design with cam lever connection
- 300°F maximum operating temperature
- 100% PTFE ball seats
- When properly installed and operated, the assembly will not accidentally separate while fluid is flowing; preventing costly mishaps
- Spillage data: 1" = 1ml

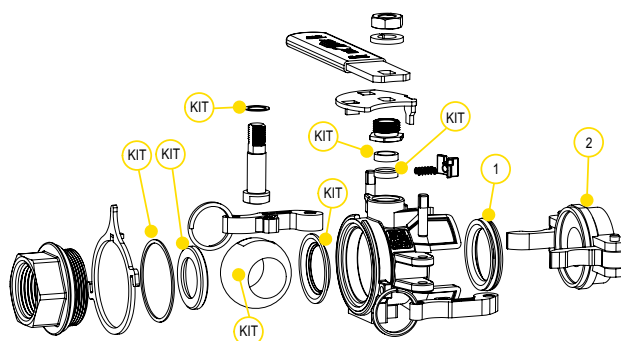
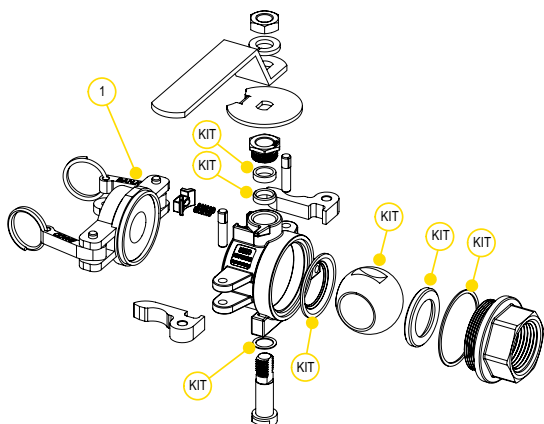
Repair Kit Includes:

1. Ball
2. Body gasket
3. Thrust washer
4. Ball seats
5. Upper stem bushing
6. Stem o-ring
7. Face seal



1" FULL PORT STAINLESS STEEL DRY-MATE

MFR PART #	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
DM100ASS	1" Male X FPT NPT W/ PTFE Seals	150	1"	1"
DM100ABSS	1" Male X FPT BSP W/ PTFE Seals	150	1"	1"
DM100DSS	1" Female X FPT NPT W/ FKM Seals	150	1"	1"
DM100DSSE	1" Female X FPT NPT W/ EPDM Seals	150	1"	1"
DM100DSST	1" Female X FPT NPT W/ KALREZ® Seals	150	1"	1"
DM100DBSS	1" Female X FPT BSP W/ FKM Seals	150	1"	1"
DM100DBSSE	1" Female X FPT BSP W/ EPDM Seals	150	1"	1"
DM100DBSST	1" Female X FPT BSP W/ KALREZ® Seals	150	1"	1"



REPLACEMENT PARTS MALE

ITEM	MFR PART #	DESCRIPTION	QTY
①	DM100CAP	Dust Cap	1
KIT	DM101SS	Repair Kit	1

How to order:

Specify Mfr Part #.

Example: DM100ASS

REPLACEMENT PARTS FEMALE

ITEM	MFR PART #	DESCRIPTION	QTY
①	DM10294A	FKM Face Seal	1
①	DM10295A	EPDM Face Seal	1
①	DM10296	KALREZ® Face Seal	1
②	DM100PL	Poly Plug	1
KIT	DM102SSV	FKM Repair Kit	1
KIT	DM102SSE	EPDM Repair Kit	1
KIT	DM102SST	KALREZ® Repair Kit	1

Westward Parts can source many other special order items that are not listed in this catalogue, please visit our website at westwardparts.com or call us directly at 1-888-937-7278. Our team will help you find what you need.

The product images shown are for illustration purposes only and may not be an exact representation of the product.

SpinWeld Ball Valves

IBC / Tank Accessories

2" PolySpin Weld Ball Valves

Features:

- PTFE seats
- FKM stem o-rings
- Precision molded polypropylene is reinforced with fiberglass for additional strength
- Zinc alloy collar
- FKM, EPDM and Santoprene collar gaskets available
- Handles close in either direction



SPINWELD BALL VALVE

MFR PART #	DESCRIPTION	GASKET MATERIAL	COLLAR FITS	COLLAR NUMBER	COLLAR ID	MAX PSI
W230237	2" Poly Spinweld Valve W/NPT Outlet & Cap & Foil Seal	FKM	MAUSER*	V22283 C & D	2 1/4"	20
W230238	2" Poly Spinweld Valve W/QDC Outlet & Cap & Foil Seal	FKM	MAUSER*	V22283 C & D	2 1/4"	20
W230239	2" Poly Spinweld Valve W/NPT Outlet & Cap & Foil Seal	EPDM	MAUSER*	V22283 C & D	2 1/4"	20
W230240	2" Poly Spinweld Valve W/QDC Outlet & Cap & Foil Seal	EPDM	MAUSER*	V22283 C & D	2 1/4"	20
WSF210FSA	2" Poly Spinweld Valve W/QDC Outlet & Cap & Foil Seal	SANTOPRENE	SCHUTZ*	V20280 A & B	2 1/4"	50
WSF210FSAV	2" Poly Spinweld Valve W/QDC Outlet & Cap & Foil Seal	FKM	SCHUTZ*	V20280 A & B	2 1/4"	50
WSMT210FSA	2" Poly Spinweld Valve W/NPT Outlet & Cap & Foil Seal	SANTOPRENE	SCHUTZ*	V20280 A & B	2 1/4"	225
WSMT210FSAV	2" Poly Spinweld Valve W/NPT Outlet & Cap & Foil Seal	FKM	SCHUTZ*	V20280 A & B	2 1/4"	225

How to order:

Specify Mfr Part #.

Example: W230237



FDA Union Valves and Adapters

IBC / Tank Accessories

FDA Union Valve and Adapters

Features:

- Precision molded in glass reinforced polypropylene for strength and chemical resistance
- PTFE seats or smooth operation and proper sealing characteristics
- Double EPDM o-rings in stem area for extra sealing protection
- Interlocking body and end plate to allow easy thread connection when installing valves

UNION VALVE AND ADAPTERS

MFR PART #	DESCRIPTION	MAX PSI
MBP200	2" BUTTRESS X 2" NPT ASSEMBLY	200
NIP2101	2" NPT X BSP NIPPLE	300
UV204FPFD	2" FDA UNION VALVE WITH EPDM	225

How to order:

Specify Mfr Part #.

Example: MBP200



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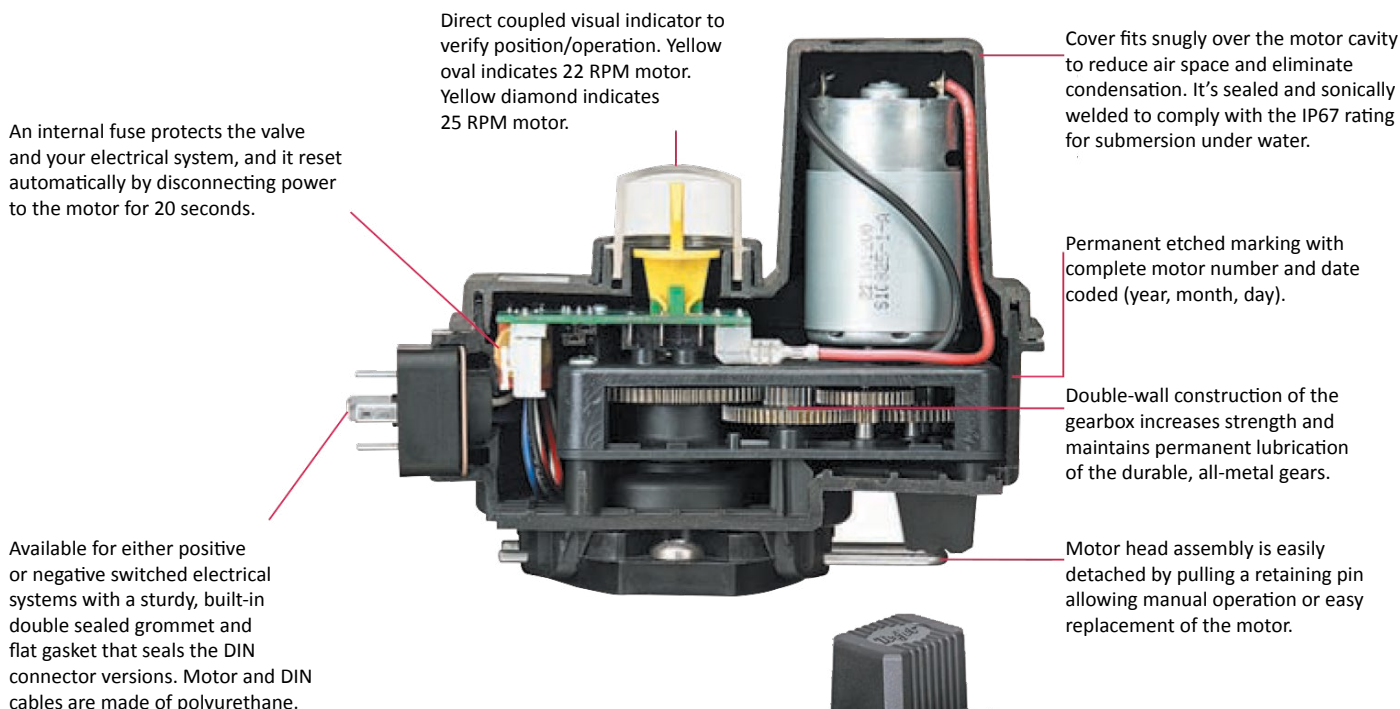
The product images shown are for illustration purposes only and may not be an exact representation of the product.

B Style Electric Motors and Valves

Valves

Shutoff/Control Motors

Boom Control motors are 22 RPM for 344B series (0.7 second shutoff valves) and 25 RPM for 346B and 356 series (0.6 second shutoff valves) for 12 VDC systems. Available with E or EC series motors with DIN or CABLE versions. E type motors work with DPDT (double pole, double throw) switch. EC type motors work with simple SPST (single pole, single throw) on/off switch and are compatible with all sprayer controls. Current draw less than 2 amps (1.7 amps at 40 in-lbs.). Electrical connectors can be ordered with a standard number. Note: 2-way control motors can be rotated 180° to change the cable outlet direction on the valve. There is also an adapter to rotate motors 90°, contact our Customer Service Representative for more information.



Regulating Motors

Choosing the proper regulating motor speed is important to maximizing the sprayer's performance. Three speeds are offered at this time: 1 RPM, 3 RPM and 6 RPM. The 1 RPM speed is used mostly in manual systems; it is too slow for automated rate control. The other two speeds are used in automated systems. The 3 RPM is the most popular and opens the valve to the maximum flow in about 6 seconds for the RL valve and about 10 seconds for the PR valves. The 6 RPM motor cuts those times in half.



DIN and Cable Electrical Connector

Both DIN and motor cables are made of polyurethane and are pressure extruded creating a round cable for improved sealing. Polyurethane has twice the strength and three times the tear and abrasion resistance of PVC. Motor cables include over-molded plugs that seal off the ends of cables and wires to prevent. Conductor insulation uses familiar color coding of red, white and black. DIN cable connectors are constructed of a special over molded elastomeric material that does not require a flat gasket to be sealed. The center screw is made of stainless steel.

DIN CABLE	CABLE
38082-05	1.5' (0.5 meter) DIN cable
38082-15	5' (1.5 meter) DIN cable
38082-30	10' (3 meter) DIN cable
38082-60	20' (6 meter) DIN cable

DIN cables are ordered separately.

B Style Electric Motors and Valves

Valves

B Style Shutoff Motor Numbers



344B, 440B, 450B, 460B SERIES			CURRENT DRAW (AMPS)**	346B, 356 AND 490 SERIES			CURRENT DRAW (AMPS)**		CABLE LENGTH
BEC POSITIVE SWITCH MOTOR	*BEC NEGATIVE SWITCH MOTOR	BE SWITCH MOTOR	344B, 440B, 450B, 460B	BEC POSITIVE SWITCH MOTOR	*BEC NEGATIVE SWITCH MOTOR	BE SWITCH MOTOR	346B	356, 490	
50515-22CP03	* 50515-22CN03	* 50533-22C03	1.1	50515-25CP03	* 50515-25CN03	* 50533-25C03	1.75	2.2	1.0' (0.3 meter) cable
50515-22CP05	* 50515-22CN05	50533-22C05	1.1	50515-25CP05	* 50515-25CN05	50533-25C05	1.75	2.2	1.5' (0.5 meter) cable
50515-22CP15	* 50515-22CN15	* 50533-22C15	1.1	50515-25CP15	* 50515-25CN15	* 50533-25C15	1.75	2.2	5' (1.5 meter) cable
50515-22CP60	* 50515-22CN60	* 50533-22C60	1.1	50515-25CP60	* 50515-25CN60	* 50533-25C60	1.75	2.2	20' (6 meter) cable
50515-22DP	* 50515-22DN	* 50533-22D	1.1	50515-25DP	* 50515-25DN	* 50533-25D	1.75	2.2	DIN Electrical Connector

* Bypass Valve (Normally Open) BEC Motors

344B, 440B, 450B, 460B SERIES			CURRENT DRAW (AMPS)**	346B, 356 AND 490 SERIES			CURRENT DRAW (AMPS)**		CABLE LENGTH
BEC POSITIVE SWITCH MOTOR	*BEC NEGATIVE SWITCH MOTOR	BE SWITCH MOTOR	344B, 440B, 450B, 460B	BEC POSITIVE SWITCH MOTOR	*BEC NEGATIVE SWITCH MOTOR	BE SWITCH MOTOR	346B	356, 490	
50994-22CP03	* 50994-22CN03	* 50533-22C03	1.1	50994-25CP03	* 50994-25CN03	* 50533-25C03	1.75	2.2	1.0' (0.3 meter) cable
50994-22CP05	* 50994-22CN05	50533-22C05	1.1	50994-25CP05	* 50994-25CN05	50533-25C05	1.75	2.2	1.5' (0.5 meter) cable
50994-22CP15	* 50994-22CN15	* 50533-22C15	1.1	50994-25CP15	* 50994-25CN15	* 50533-25C15	1.75	2.2	5' (1.5 meter) cable
50994-22CP60	* 50994-22CN60	* 50533-22C60	1.1	50994-25CP60	* 50994-25CN60	* 50533-25C60	1.75	2.2	20' (6 meter) cable
50994-22DP	* 50994-22DN	* 50533-22D	1.1	50994-25DP	* 50994-25DN	* 50533-25D	1.75	2.2	DIN Electrical Connector

344B & 346B Regulating Motors

SPEED (RPM)	R & RL MOTOR NO.	PR MOTOR NO.	CURRENT DRAW (AMPS)**		CABLE LENGTH
			AA344B	AA346B	
1	* 50516-01C03	* 50996-01C03	0.10	0.12	1.0' (0.3 meter) cable
1	* 50516-01C05	* 50996-01C05	0.10	0.12	1.5' (0.5 meter) cable
1	* 50516-01C15	* 50996-01C15	0.10	0.12	5' (1.5 meter) cable
1	* 50516-01C60	* 50996-01C60	0.10	0.12	20' (6 meter) cable
1	* 50516-01D	* 50996-01D	0.10	0.12	DIN Electrical Connector
3	* 50516-03C03	* 50996-03C03	0.15	0.20	1.0' (0.3 meter) cable
3	* 50516-03C05	* 50996-03C05	0.15	0.20	1.5' (0.5 meter) cable
3	* 50516-03C15	* 50996-03C15	0.15	0.20	5' (1.5 meter) cable
3	* 50516-03C60	* 50996-03C60	0.15	0.20	20' (6 meter) cable
3	* 50516-03D	* 50996-03D	0.15	0.20	DIN Electrical Connector
6	* 50516-06C03	* 50996-06C03	0.43	0.50	1.0' (0.3 meter) cable
6	* 50516-06C05	* 50996-06C05	0.43	0.50	1.5' (0.5 meter) cable
6	* 50516-06C15	* 50996-06C15	0.43	0.50	5' (1.5 meter) cable
6	* 50516-06C60	* 50996-06C60	0.43	0.50	20' (6 meter) cable
6	* 50516-06D	* 50996-06D	0.43	0.50	DIN Electrical Connector

Items marked with "*" are non-stock items. ** Current draw is a nominal rating @ 13.8 VDC and will vary dependent upon valve usage and chemicals used. Note: DIN cables are ordered separately.

Electric Regulating Valves

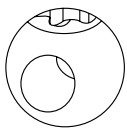
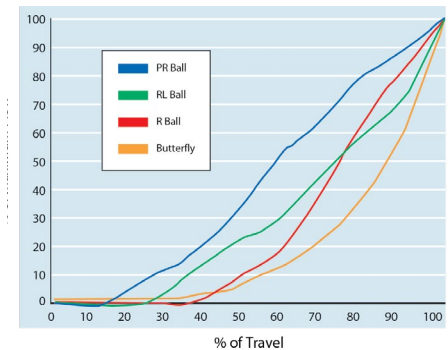
Valves

The proper regulating valve will enhance the operation of a sprayer, especially one with an automatic rate controller. While advanced electronics provide features and control, the proper regulating valve helps the system to respond quickly to input changes and functions over a wide range of application rates. Choosing the proper valve involves determining the maximum capacity required, the range of application rates and the proper motor speed.

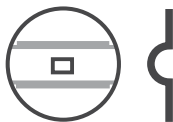


Types of Regulating Valves

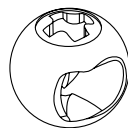
Special ball shapes make regulating valves more responsive and able to work with both high and low application rates. Most agricultural sprayers use either a 2-way ball valve or butterfly valve for regulating purposes. When considering sizing a regulating valve, the first concern is to understand the valve's flow curve to determine how efficiently the valve will regulate. Figure 1 shows typical flow curves for DirectoValve® regulating type valves. This will help to decide the type of valve to use.



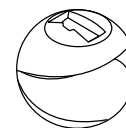
R Type Valve



Butterfly Valve



RL Valve



PR Valve

R Type and Butterfly Valves

As shown on the graph, the butterfly valve has the most non-linear flow curve for final 1/3 (30°) of travel leading to an increase of 75% in flow through the valve. The straight 2-way "R" ball curve is not quite as steep, with the flow through the valve increasing by 60% over the last 30° of travel. The "R" ball, however, has the additional disadvantage of not allowing significant flow during the first 1/3 of its rotation. Since a small change of rotation causes a significant change using these valves, trying to regulate large flows when the valve is two thirds to full open presents a challenge.

RL Valve

TeeJet Technologies has developed a special ball that allows the valve to start regulating earlier thus extending the regulating range. This special ball valve also increases flow and the linear characteristic of the valve during the first 3/4 of the valve cycle. The flow from the valve starts 10° earlier, than a regular R type ball and increases the flow of the RL ball during the first 70% of travel (Figure 1). The maximum capacity is about 10% less than an R type valve.

PR Valve

The PR valve uses a 3-way valve body and a ball with a wedge removed. The combination of this ball and a motor that rotates past the standard 90° results in a valve with an almost linear flow curve. The 2PR version has one outlet plugged. The 3PR version allows bypass flow to return to the tank. As noted in Figure 1, the percentage of flow increases by approximately the amount of ball travel thus avoiding the rapid change seen with standard ball valves and butterfly valves.

Ball Type Regulating Valves

* Not available in stainless steel.

MODEL NUMBER	MAXIMUM PRESSURE	FLOW RATE AT A 5 PSI (0.34 bar) PRESSURE DROP	FLOW RATE AT A 10 PSI (0.69 bar) PRESSURE DROP
344BR-2	300 PSI (20 bar)	32 GPM (121 l/min)	45 GPM (170 l/min)
344BR-3	300 PSI (20 bar)	24 GPM (91 l/min)	34 GPM (129 l/min)
344BRL-2	300 PSI (20 bar)	27 GPM (102 l/min)	38 GPM (144 l/min)
* 344BPR-2	300 PSI (20 bar)	12 GPM (45 l/min)	17 GPM (64 l/min)
* 344BPR-3	300 PSI (20 bar)	12 GPM (45 l/min)	17 GPM (64 l/min)
346BR-2	150 PSI (10 bar)	100 GPM (379 l/min)	141 GPM (534 l/min)
346BR-3	150 PSI (10 bar)	64 GPM (242 l/min)	91 GPM (344 l/min)
* 346BPR-2	150 PSI (10 bar)	53 GPM (200 l/min)	75 GPM (284 l/min)
* 346BPR-3	150 PSI (10 bar)	53 GPM (200 l/min)	75 GPM (284 l/min)

How to order:

Specify model number.
Example: 344BR-2

Electric Regulating Ball Valves

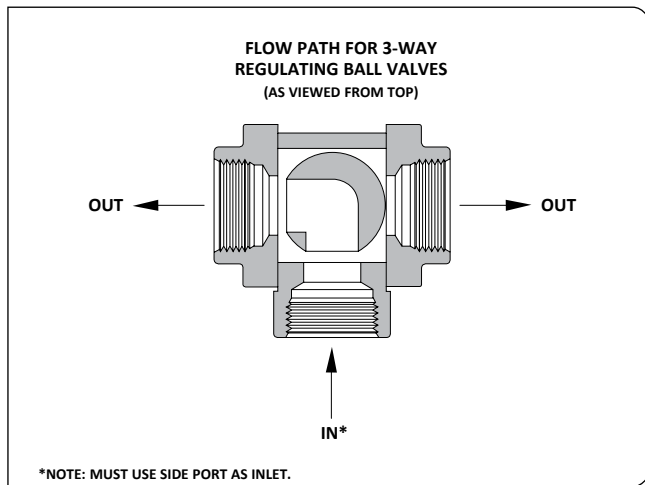
Valves

344B and 346B Pressure Regulating Ball Valves

The 340 series electrical regulating valves are designed to produce linear flow regulation and shutoff control in agricultural applications. Both models are available in several styles and motor speeds to accommodate different types of applications.

Features:

- Available in 2-way and 3-way versions
- Available in 1, 3, or 6 RPM motor speeds. Note: The PR versions cycle time is double that of an R or RL version
- Two-wire lead provides easy installation with 12 VDC systems
- Low power consumption, less than 1 amp



- Offered in a variety of inlet/outlet connections. Ask our Sales Team for additional information and options
- Wetted parts are Nylon, polypropylene, stainless steel, Teflon®, and Viton®

TeeJet®
TECHNOLOGIES
DirectoValve®



Butterfly Valve

AA(B)244C-3/4 Remote Control Electric Regulating Butterfly Valve

The AA244C remote control electric regulation valve has been specifically designed to provide remote pressure control in agricultural applications using DirectoValve AA144A or AA145 solenoid shutoff valves.

Features:

- Unrestricted flow when wide open – Flow Rate: 28 GPM (106 l/min) at 5 PSI (0.34 bar) drop, 40 GPM (151 l/min) at 10 PSI (0.69 bar) pressure drop
- Bypass flow rate: 2 GPM (7.5 l/min) @ 10 PSI (0.7 bar)
- Operates in 12 VDC system and may be controlled by a double-pole double-throw spring-centered switch

- Maximum operating pressure of 100 PSI (7 bar)
- Two-wire lead for use in 12 VDC system
- 3/4" (F) NPT or BSPT connections
- Easy installation (flows either direction)
- Good corrosion resistance
- Low current draw (0.10 AMP)
- 20 second response time



How to order:

Specify model number.

Example: AA(B)244C-3/4

(B) = BSPT

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Sample Valve Part Number:
Valves

(B)344BRL-2FS-01C15AB

OUTLET THREADS

PART CODE	DESCRIPTION
BLANK	ALL THREADS TO BE NPT (IF EQUIPPED)
(B)	ALL THREADS TO BE BSPT (IF EQUIPPED)

MODEL SPECIFICATIONS

PART CODE	DESCRIPTION
344B/346B	REGULATING VALVE

MOTOR SPECIFICATIONS

PART CODE	DESCRIPTION
R	REGULATING VALVE
RL	LINEAR REGULATING VALVE (344 SERIES ONLY)
*PR	PRESSURE REGULATING VALVE

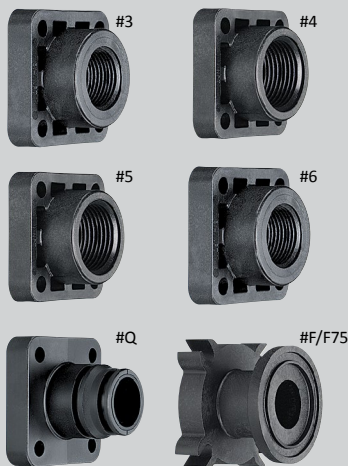
*Not available in stainless steel.

VALVE TYPES

PART CODE	DESCRIPTION
2	2-WAY VALVE
3	3-WAY VALVE (PR & R ONLY)

END CAPS OR OUTLET FITTINGS

PART CODE	DESCRIPTION
3	¾" PIPE THREAD (344 SERIES ONLY)
4	1" PIPE THREAD (344 SERIES ONLY)
5	1¼" PIPE THREAD (346 SERIES ONLY)
6	1½" PIPE THREAD (346 SERIES ONLY)
Q	QUICK CONNECT (344 SERIES ONLY)
F	50 SERIES FLANGE
F75	75 SERIES FLANGE (346 SERIES ONLY)


WIRING CONNECTORS

SPECIFY ELECTRICAL CONNECTOR STYLE AND PIN-OUTS. IF NO CONNECTOR IS NEEDED LEAVE BLANK.

Ask our sales team about electrical connectors and codes options.

MOTOR CABLES

PART CODE	DESCRIPTION
C	0.5-METER CABLE
* C03	0.3-METER CABLE
* C15	1.5-METER CABLE
* C60	6.0-METER CABLE
D	DIN CONNECTOR

Items marked with "*" are non-stock items. Please contact your sales team for ordering and availability information.

Note: DIN cables must be ordered separately. See DIN cables.

MOTOR SPEEDS

PART CODE	DESCRIPTION
01	1 RPM (18 SECOND CYCLE TIME) MOTOR
03	3 RPM (6 SECOND CYCLE TIME) MOTOR
06	6 RPM (3 SECOND CYCLE TIME) MOTOR

Note: PR series cycle times are doubled.

BALL MATERIAL SPECIFICATIONS

PART CODE	DESCRIPTION
BLANK	POLYPROPYLENE BALL
S	STAINLESS STEEL BALL (R & RL SERIES ONLY)

INLET/OUTLET REQUIRED CONNECTIONS

THE INLET/OUTLET FITTINGS ARE ORDERED SEPARATELY

- 3, 4, 5, 6: When ordering ¾" (3), 1" (4), 1¼" (5) or 1½" (6) threaded NPT or BSPT inlet/outlet type valve connections, the inlets and outlets will be included during assembly.
- F: When ordering F or F75 (flange) type valve connections, the inlet/outlet fittings are ordered separately. Clamps and flange fittings are required. See flange fitting options.
- Q: When ordering QC (Quick Connect) hose barb type valve fittings, the inlet/outlet connections are ordered separately. Two 45529 QC fittings are required for 2-way valves and three each for 3-way valves. Ask our sales team about QC options.

Note: Many valve configurations are possible by mixing and matching flange fittings.

REPAIR KITS

AB344AE-KIT

AB346B-KIT

Note: AB344AE-KIT for 344A&B Valves

344 Series Electric Shutoff Valves

Valves

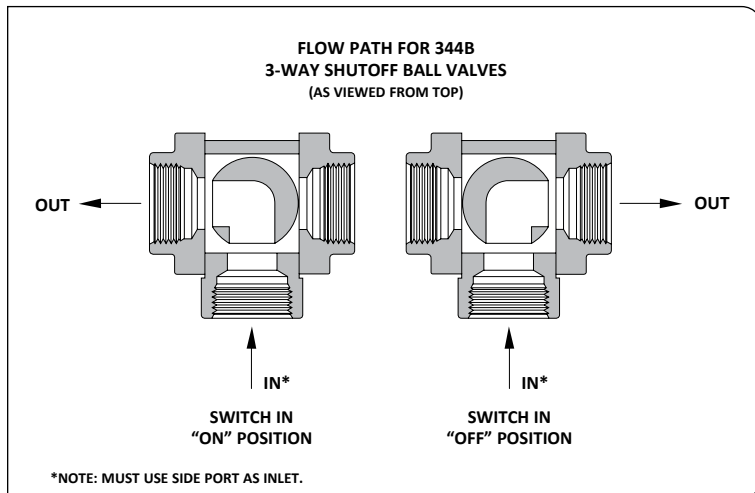
344B shutoff ball valves are available with E or EC series motors and with cable or DIN electrical connections.

Features:

- 22 RPM, 0.7 second shutoff fully open to close
- Flexible inlet/outlets provide quick simple plumbing for a single valve. See page 85 for more information
- Available in 2-way or 3-way versions. 2-way valves allow complete shutoff while the 3-way valves divert flow to a bypass line when boom controls are shut off
- Stainless steel stem with optional polypropylene or stainless steel ball
- Maximum pressure rating is 300 PSI (20 bar)
- The flow rate for the 344BEC 2-way valve is 32 GPM (121 l/min) flow rate with a 5 PSI (0.34 bar) pressure drop, 45 GPM (170 l/min) at a 10 PSI (0.69 bar) pressure drop

- The flow rate for the 344BEC 3-way valve is 24 GPM (91 l/min) with a 5 PSI (0.34 bar) pressure drop, 34 GPM (129 l/min) at a 10 PSI (0.69 bar) pressure drop
- Wetted parts are Nylon, Teflon®, polypropylene, stainless steel and Viton®

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DirectoValve®



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Sample Valve Part Number:
Valves

(B)344BEC-2FS-CN15AB

OUTLET THREADS

PART CODE	DESCRIPTION
BLANK	ALL THREADS TO BE NPT (IF EQUIPPED)
(B)	ALL THREADS TO BE BSPT (IF EQUIPPED)

MODEL SPECIFICATION

PART CODE	DESCRIPTION
344B	BALL VALVE

MOTOR SPECIFICATIONS

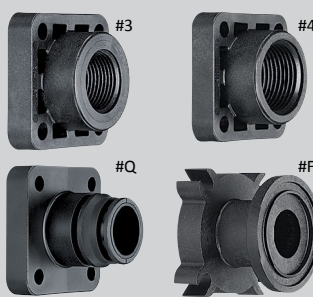
PART CODE	SWITCH	DESCRIPTION
E	DPDT	22 RPM, 0.7 SECOND SHUTOFF VALVE
EC	SPST	

VALVE TYPES

PART CODE	DESCRIPTION
2	2-WAY VALVE
3	3-WAY VALVE

END CAPS OR OUTLET FITTINGS

PART CODE	DESCRIPTION
3	¾" PIPE THREAD
4	1" PIPE THREAD
Q	QUICK CONNECT
F	50 SERIES FLANGE


WIRING CONNECTORS

SPECIFY ELECTRICAL CONNECTOR STYLE AND PIN-OUTS. IF NO CONNECTOR IS NEEDED LEAVE BLANK.

Ask our sales team about electrical connectors and codes.

MOTOR CABLES

PART CODE	DESCRIPTION
C	POSITIVELY SWITCHED w/ 0.5-METER CABLE
CN	NEGATIVELY SWITCHED w/ 0.5-METER CABLE
* C03	POSITIVELY SWITCHED w/ 0.3-METER CABLE
* CN03	NEGATIVELY SWITCHED w/ 0.3-METER CABLE
* C15	POSITIVELY SWITCHED w/ 1.5-METER CABLE
* CN15	NEGATIVELY SWITCHED w/ 1.5-METER CABLE
* C60	POSITIVELY SWITCHED w/ 6.0-METER CABLE
* CN60	NEGATIVELY SWITCHED w/ 6.0-METER CABLE
D	POSITIVELY SWITCHED w/ DIN CONNECTOR
DN	NEGATIVELY SWITCHED w/ DIN CONNECTOR

Items marked with "*" are non-stock items. Please contact our Sales team for ordering and availability information.

Note: DIN cables must be ordered separately. Ask our sales team about DIN cables.

INLET/OUTLET REQUIRED CONNECTIONS

THE INLET/OUTLET FITTINGS ARE ORDERED SEPARATELY

- 3, 4: When ordering ¾" (3) or 1" (4) threaded NPT or BSPT inlet/outlet type valve connections, the inlets and outlets will be completed during the ordering process.
- F: When ordering F (flange) type valve connections, the inlet/outlet fittings are ordered separately. Two 50 series clamps and flange fittings are required for 2-way valves and three each for 3-way valves. Ask our sales team about flange fitting options.
- Q: When ordering QC (Quick Connect) hose barb type valve fittings, the inlet/outlet connections are ordered separately. Two 45529 QC fittings are required for 2-way valves and three each for 3-way valves. Ask our sales team about QC options.

Note: Many valve configurations are possible by mixing and matching flange fittings.

BALL MATERIAL SPECIFICATIONS

PART CODE	DESCRIPTION
BLANK	POLYPROPYLENE BALL
S	STAINLESS STEEL BALL

REPAIR KIT

AB344AE-KIT for 344A&B Valves

346 Series Electric Shutoff Valves

Valves

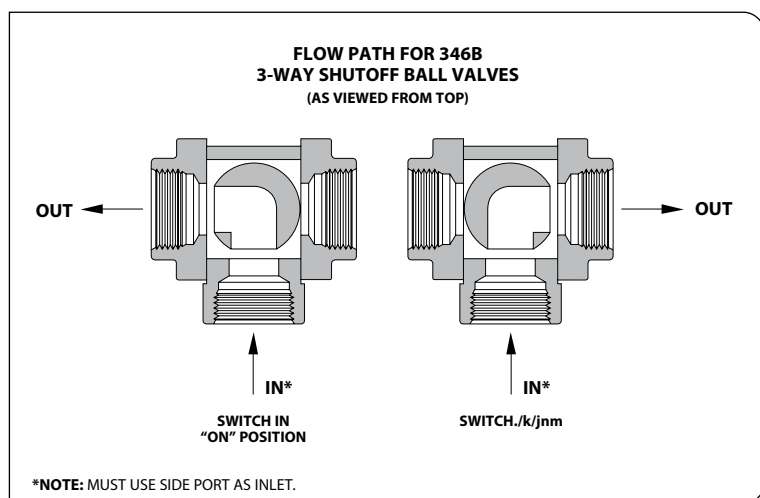
346BEC shutoff ball valves are available with E or EC series motors with cable or DIN electrical connections. See page 78 for more information on DirectoValve motors.

Features:

- 25 RPM, 0.6 second shutoff fully open to close
- Available in 2-way or 3-way versions. 2-way valves allow complete shutoff while the 3-way valves divert flow to a bypass line when boom controls are shut off
- The flow rate for the 346BEC 2-way valve is 100 GPM (379 l/min) with 5 psi (0.34 bar) pressure drop, 141 GPM (534 l/min) with 10 PSI (0.69 bar) pressure drop
- The flow rate for the 346BEC 3-way valve is 64 GPM (242 l/min) with a 5 psi (0.34 bar) pressure drop, 91 GPM (344 l/min) with 10 PSI (0.69 bar) pressure drop
- Polypropylene ball with stainless steel stem
- Maximum pressure rating of 150 psi (10 bar)

- Available with 1-1/4", 1 -1/2" NPT or BSPT (F) threads or 50 series flange fittings
- Wetted parts made of corrosion-resistant materials, glass-reinforced polypropylene, Teflon®, stainless steel and Viton®

TeeJet
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Sample Valve Part Number:

Valves

(B)346BEC-25S-CN15AB

OUTLET THREADS

PART CODE	DESCRIPTION
BLANK	ALL THREADS TO BE NPT (IF EQUIPPED)
(B)	ALL THREADS TO BE BSPT (IF EQUIPPED)

MODEL SPECIFICATION

PART CODE	DESCRIPTION
346B	BALL VALVE

MOTOR SPECIFICATIONS

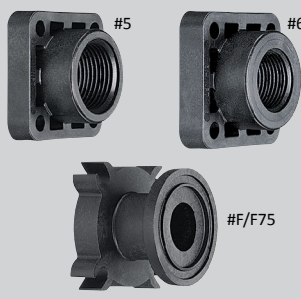
PART CODE	SWITCH	DESCRIPTION
E	DPDT	25 RPM, 0.6 SECOND SHUTOFF VALVE
EC	SPST	

VALVE TYPES

PART CODE	DESCRIPTION
2	2-WAY VALVE
3	3-WAY VALVE

END CAPS OR OUTLET FITTINGS

PART CODE	DESCRIPTION
5	1½" PIPE THREAD
6	1½" PIPE THREAD
F	50 SERIES FLANGE
F75	75 SERIES FLANGE


WIRING CONNECTORS

SPECIFY ELECTRICAL CONNECTOR STYLE AND PIN-OUTS. IF NO CONNECTOR IS NEEDED LEAVE BLANK.

Ask our sales team about electrical connectors and codes.

MOTOR CABLES

PART CODE	DESCRIPTION
C	POSITIVELY SWITCHED w/ 0.5-METER CABLE
CN	NEGATIVELY SWITCHED w/ 0.5-METER CABLE
* C03	POSITIVELY SWITCHED w/ 0.3-METER CABLE
* CN03	NEGATIVELY SWITCHED w/ 0.3-METER CABLE
* C15	POSITIVELY SWITCHED w/ 1.5-METER CABLE
* CN15	NEGATIVELY SWITCHED w/ 1.5-METER CABLE
* C60	POSITIVELY SWITCHED w/ 6.0-METER CABLE
* CN60	NEGATIVELY SWITCHED w/ 6.0-METER CABLE
D	POSITIVELY SWITCHED w/ DIN CONNECTOR
DN	NEGATIVELY SWITCHED w/ DIN CONNECTOR

Items marked with "*" are non-stock items. Please contact our sales team for ordering and availability information.

Note: DIN cables must be ordered separately. Ask our sales team about DIN cables.

BALL MATERIAL SPECIFICATIONS

PART CODE	DESCRIPTION
BLANK	POLYPROPYLENE BALL
S	STAINLESS STEEL BALL (2-WAY VALVE ONLY)

REPAIR KIT

AB346B-KIT

INLET/OUTLET REQUIRED CONNECTIONS

THE INLET/OUTLET FITTINGS ARE ORDERED SEPARATELY

- 5, 6: When ordering 1½" (5) or 1½" (6) threaded NPT or BSPT inlet/outlet type valve connections, the valve will be completed during the ordering process.
- F: When ordering F or F75 (flange) type valve connections, the inlet/outlet fittings are ordered separately. Two clamps and flange fittings are required for 2-way valves and three each for 3-way valves. Ask our sales team about flange fitting options.

Note: Many valve configurations are possible by mixing and matching flange fittings.

DirectoValve 460 Series 2-Way Manifold

Manifold Systems

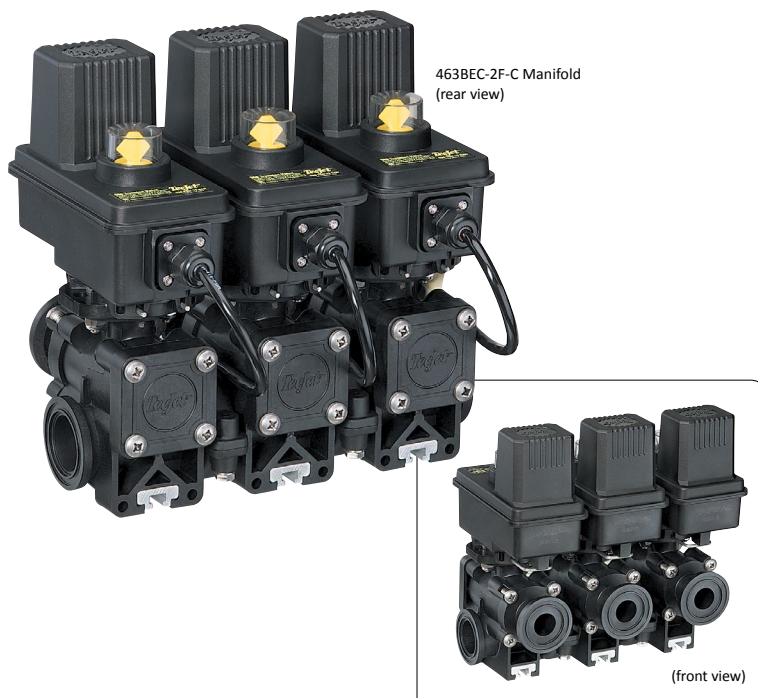
The 460BEC ball valve manifold utilizes a compact design that provides reliable performance at a wide range of operating pressures. Available with E or EC series motors with cable or DIN electrical connections. Ask our Sale Team about information on DirectoValve motors.

Features:

- 22 RPM, 0.7 second shutoff fully open to close.
- With a choice of threaded, QC (Quick Connect) hose barbs or 50 series flange fitting outlet connections, the 460BEC manifold allows quick, simple plumbing for as many valves as needed for your sprayer
- Stainless steel stem and ball
- Flow rate: 25 GPM (94 l/min) at 5 PSI (0.34 bar) pressure drop, 35 GPM (132 l/min) at 10 PSI (0.69 bar) pressure drop
- Maximum pressure rating of 300 PSI (20 bar)
- The 460BEC valve series is also available in 3-way and Flow Back versions

*Ask our Sales Team about 460B 3C and 3E, 3-way versions and for 460FB Flow Back version

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Sample Valve Part Number:
Valves

(B)463BEC-2F-CN15AB

OUTLET THREADS

PART CODE	DESCRIPTION
BLANK	ALL THREADS TO BE NPT (IF EQUIPPED)
(B)	ALL THREADS TO BE BSPT (IF EQUIPPED)

MODEL SPECIFICATION

PART CODE	DESCRIPTION
46	460 MANIFOLD

MANIFOLD SIZES

PART CODE	DESCRIPTION
1	1-VALVE MANIFOLD
2	2-VALVE MANIFOLD
3	3-VALVE MANIFOLD
4	4-VALVE MANIFOLD
5	5-VALVE MANIFOLD

MOTOR SPECIFICATIONS

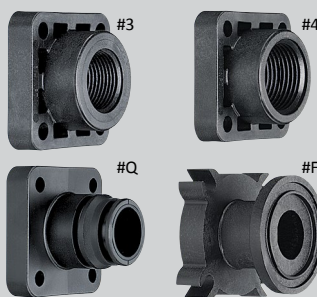
PART CODE	SWITCH	DESCRIPTION
E	DPDT	22 RPM, 0.7 SECOND SHUTOFF VALVE
EC	SPST	

VALVE TYPE

PART CODE	DESCRIPTION
2	2-WAY VALVE

END CAPS OR OUTLET FITTINGS

PART CODE	DESCRIPTION
3	¾" PIPE THREAD
4	1" PIPE THREAD
Q	QUICK CONNECT
F	50 SERIES FLANGE


WIRING CONNECTORS

SPECIFY ELECTRICAL CONNECTOR STYLE AND PIN-OUTS. IF NO CONNECTOR IS NEEDED LEAVE BLANK.

Ask our sales team about electrical connectors and codes.

MOTOR CABLES

PART CODE	DESCRIPTION
C	POSITIVELY SWITCHED w/ 0.5-METER CABLE
CN	NEGATIVELY SWITCHED w/ 0.5-METER CABLE
* C03	POSITIVELY SWITCHED w/ 0.3-METER CABLE
* CN03	NEGATIVELY SWITCHED w/ 0.3-METER CABLE
* C15	POSITIVELY SWITCHED w/ 1.5-METER CABLE
* CN15	NEGATIVELY SWITCHED w/ 1.5-METER CABLE
* C60	POSITIVELY SWITCHED w/ 6.0-METER CABLE
* CN60	NEGATIVELY SWITCHED w/ 6.0-METER CABLE
D	POSITIVELY SWITCHED w/ DIN CONNECTOR
DN	NEGATIVELY SWITCHED w/ DIN CONNECTOR

Items marked with "*" are non-stock items. Please contact our sales team for ordering and availability information.

Note: DIN cables must be ordered separately. Ask our sales team about DIN cables.

INLET/OUTLET REQUIRED CONNECTIONS

THE INLET/OUTLET FITTINGS ARE ORDERED SEPARATELY

- 3, 4: When ordering ¾" (3) or 1" (4) NPT or BSPT threaded connections, the valve outlet connection will be completed during the ordering process. For the inlets to be threaded, the 50 series flange fittings are ordered separately. Two 50 series single clamps and fittings are required per manifold assembly. Ask our sales team about flange fitting options.
- F: For the flange fitting versions, one 50 series single clamp and flange fitting is required per valve. For the inlets, two 50 series single clamps and flange fittings are required per manifold assembly.
- Q: When ordering QC (Quick Connect) hose barb type valve fittings. For the outlet, one 45529 QC hose barb connection is required per valve. 460 inlets are 50 series standard flanges. Any two 50 series fittings and clamps may be ordered. For the inlets to be QC, requires two each, CP46029-PP QC flange adapters, 50 series single clamps and 45529 QC hose barb connections per manifold assembly. Ask our sales team about QC fitting options.

Note: Many manifold configurations are possible by mixing and matching flange fittings.

REPAIR KIT

AB460-KIT

2-Way Electrically Operated Solenoid Valves

Valves

AA144P-, AA144A-, AA145H-, DirectoValve Control Valves

- Direct acting; large internal flow chamber without pilot hole reduces chance of clogging
- Stainless steel wetted parts provide additional corrosion resistance
- Operate on 12 VDC system
- Maximum pressure of 100 PSI (7 bar)
- Encapsulated solenoid coil can be changed without removing valve from system
- EPDM diaphragms and seat washers, Viton® optional
- Continuous flow through bypass connection, with flow to spray line
- controlled by valve "on-off" action

AA144P DirectoValve Control Valves

- Flow Rate: 10 GPM (38 l/min) at 5 PSI (0.34 bar) pressure drop, 14 GPM (53 l/min) at 10 PSI (0.69 bar) pressure drop
- 2.5 amp current draw
- Polypropylene body for chemical resistance
- Fabric reinforced Viton diaphragms and seat washers
- No stroke adjustment required
- Corrosion resistant, 430SS solenoid grade armature and armature stop
- Encapsulated coil and magnetic circuit

How to order:

To order, specify AA144P- then "1", "2" or "3" to indicate number of units.

Example: AA(B)144P-3

MODEL NUMBER	INLET SIZE	OUTLET SIZE	CURRENT DRAW
AA(B)144P-*	¾"	½"	2.5 amp

(B) = BSPT

AA144A Valve for Pressures up to 100 PSI (7 bar)

- Flow Rate: 10 GPM (38 l/min) at 5 PSI (0.34 bar) pressure drop, 14 GPM (53 l/min) at 10 PSI (0.69 bar) pressure drop.
- Can be ganged with other 144A DirectoValve control valves.
- 2.5 amp current draw.
- Polypropylene body for chemical resistance.

- Fabric reinforced diaphragms
- Also available as 2- or 3-unit assembly

How to order:

Specify AA144A- then "1", "2" or "3" to indicate number of units.

Example: AA(B)144A-3

MODEL NUMBER	INLET SIZE	OUTLET SIZE	CURRENT DRAW
AA(B)144A-*	¾"	½"	2.5 amp

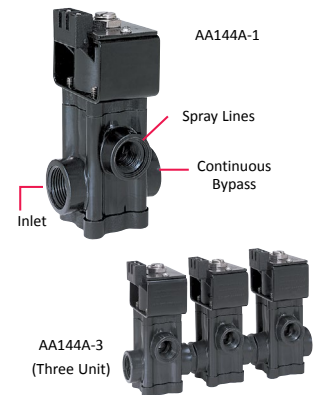
(B) = BSPT

AA145H Control Valves

- Flow Rate: 15 GPM (57 l/min) at 5 PSI (0.34 bar) pressure drop, 21 GPM (79 l/min) at 10 PSI (0.69 bar) pressure drop
- Can be ganged with other 145H DirectoValve control valves
- 2.9 amp current draw
- Fiberglass reinforced Nylon body

MODEL NUMBER	INLET SIZE	OUTLET SIZE	CURRENT DRAW
AA145H-1	1"	1"	2.9 amp

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3-Way Electrically Operated Solenoid Valves

Valves

AA144P-1-3 DirectoValve Control Valves

The 144P-1-3 three-way solenoid-operated DirectoValve control valve was specifically designed to provide bypass control in spraying applications. When used with part number 23520-PP throttling valve or a 4916 metering orifice plate in the bypass line, it can provide for a constant pressure spray system.

- For pressure to 65 PSI (4.5 bar).
- Flow Rate: 8 GPM (30 l/min) at 5 PSI (0.34 bar) pressure drop, 11 GPM (42 l/min) at 10 PSI (0.69 bar) pressure drop.
- Fabric-reinforced Viton® diaphragms.
- Nylon encapsulated 12 VDC coil with 1/4" Quick Connect terminals.
- Power requirement 2.5 amp.
- Glass-filled polypropylene (black) valve body.
- Internal metal parts are stainless steel.
- No stroke adjustment needed.
- Corrosion resistant, 430SS solenoid grade armature and armature stop.

How to order:

Specify part number.

Example: SPP-AA(B)144P-1-3

Note: 23520 Throttling Valve not included.

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AA144P-1-3

AA144A-1-3 DirectoValve Control Valves

The three-way solenoid-operated DirectoValve control valve bypasses boom flow to maintain constant spraying pressure when one or more boom sections are shut off. To maintain pressure with a 23520 Throttling Valve, Outlet 2 must be throttled to match the total capacity of the nozzles on that boom section.

- For pressures to 65 PSI (4.5 bar).
- Flow Rate: 8 GPM (30 l/min) at 5 PSI (0.34 bar) pressure drop, 11 GPM (42 l/min) at 10 PSI (0.69 bar) pressure drop
- 2.5 amp current draw.
- Encapsulated 12 VDC coil can be easily changed without removing valve from line.
- Polypropylene body for chemical resistance.
- Stainless steel internal metal parts.
- Chemical resistant EPDM diaphragms and seat washers.

Note: 23520 Throttling Valve not included.

How to order:

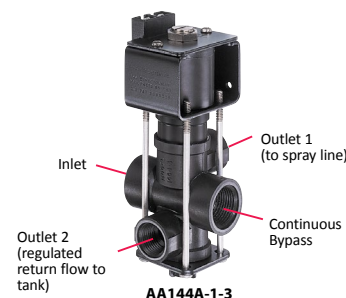
As with the 144A DirectoValve, the 144A-1-3 can be supplied as a 2-unit and 3-unit assembly. When ordering, specify 144A-2-3 or 144A-3-3.



AA144A-3-3
(Three Unit)



AA144A-2-3
(Two Unit)



AA144A-1-3

(B) = BSPT

MODEL NUMBER	NUMBER OF UNITS IN ASSEMBLY	SPRAY LINE CONNECTION	CONTINUOUS FLOW INLET BYPASS CONNECTION
AA(B)144P-1-3	1	1/2"	3/4"
AA(B)144P-2-3	2	1/2"	3/4"
AA(B)144P-3-3	3	1/2"	3/4"
AA(B)144A-1-3	1	1/2"	3/4"
AA(B)144A-2-3	2	1/2"	3/4"
AA(B)144A-3-3	3	1/2"	3/4"

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340 Series 2-Way Manual Shutoff Ball Valves

Valves

344M-NYB 2-Way Nylon Manual Ball Valves

- Quarter turn of handle from shutoff to full flow
- 3/4" or 1" NPT and BSPT (F) connection
- Wetted parts: Nylon, Teflon®, polypropylene and Viton®

How to order:

Specify valve number.

Example: AA(B)344M-2-1

AA(B)344M-NYB

VALVE NUMBER	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
AA(B)344M-2-3/4	300 PSI	1	3/4"
AA(B)344M-2-1	(20 bar)	1	1"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 32 GPM (121 l/min) flow.

(B) = BSPT



AA(B)344M-NYB

340M-PP Series 2-Way Manual Ball Valves

- Quarter turn of handle from shutoff to full flow
- 3/8", 1/2", 3/4", 1", 1 1/4" or 1 1/2" NPT and BSPT (F) connection
- Wetted parts: glass-reinforced polypropylene, Teflon and Viton

How to order:

Specify valve number.

Example: AA(B)343M-2-3/8-PP

AA(B)343M-PP

VALVE NUMBER	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
AA(B)343M-2-3/8-PP	150 PSI	1	3/8"
AA(B)343M-2-1/2-PP	(10 bar)	1	1/2"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 11 GPM (42 l/min) flow.

(B) = BSPT



AA(B)343M-PP

How to order:

Specify valve number.

Example: AA(B)344M-2-3/4-PP

AA(B)344M-PP

VALVE NUMBER	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
AA(B)344M-2-3/4-PP	125 PSI	1	3/4"
AA(B)344M-2-1-PP	(9 bar)	1	1"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 32 GPM (121 l/min) flow.

(B) = BSPT



AA(B)344M-PP

How to order:

Specify valve number.

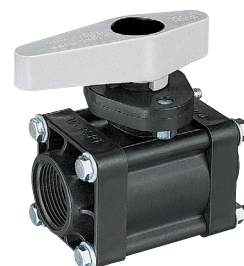
Example: AA(B)346M-2-1-1/4-PP

AA(B)346M-PP

VALVE NUMBER	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
AA(B)346M-2-1-1/4-PP	125 PSI	1	1 1/4"
AA(B)346M-2-1-1/2-PP	(9 bar)	1	1 1/2"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 100 GPM (379 l/min) flow.

(B) = BSPT



AA(B)346M-PP

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340 Series 3-Way Manual Shutoff Ball Valves

Valves

344M-NYB 3-Way Nylon Manual Ball Valves

- 3-way version diverts flow to either outlet; no shutoff
- 3/4" or 1" NPT and BSPT (F) connection
- Wetted parts: Nylon, virgin Teflon®, polypropylene and Viton®

How to order:

Specify valve number.

Example: AA(B)344M-3-1

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AA(B)344M-NYB

VALVE MFR NUMBER	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
AA(B)344M-3-3/4	300 PSI (20 bar)	2	3/4"
AA(B)344M-3-1		2	1"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 24 GPM (91 l/min) flow.

(B) = BSPT



AA(B)344M-NYB

340M-PP Series 3-Way Manual Ball Valves

- 3-way version diverts flow to either outlet; no shutoff
- 3/8", 1/2", 3/4", 1", 1 1/4" or 1 1/2" NPT and BSPT (F) connection
- Wetted parts: glass-reinforced polypropylene, virgin Teflon and Viton

How to order:

Specify valve number.

Example: AA(B)343M-3-3/8-PP

AA(B)343M-PP

VALVE MFR NUMBER	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
AA(B)343M-3-3/8-PP	150 PSI (10 bar)	2	3/8"
AA(B)343M-3-1/2-PP		2	1/2"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 8 GPM (30 l/min) flow.

(B) = BSPT



AA(B)343M-PP

AA(B)344M-PP 3-Way Manual Ball Valves

How to order:

Specify valve number.

Example: AA(B)344M-3-3/4-PP

AA(B)344M-PP

VALVE MFR NUMBER	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
AA(B)344M-3-3/4-PP	125 PSI (9 bar)	2	3/4"
AA(B)344M-3-1-PP		2	1"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 24 GPM (91 l/min) flow.

(B) = BSPT



AA(B)344M-PP

AA(B)346M-PP 3-Way Manual Ball Valves

How to order:

Specify valve number.

Example: AA(B)346M-3-1-1/4-PP

AA(B)346M-PP

VALVE MFR NUMBER	MAXIMUM PRESSURE	NUMBER OF OUTLETS	CONNECTION SIZE
AA(B)346M-3-1-1/4-PP	125 PSI (9 bar)	2	1 1/4"
AA(B)346M-3-1-1/2-PP		2	1 1/2"

Flow Rate: 5 PSI (0.34 bar) pressure drop for 64 GPM (242 l/min) flow.

(B) = BSPT



AA(B)346M-PP

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DirectoValve Manual Pressure Relief/Regulating Valves

Valves

Piston-Type Pressure Relief/Regulating Valves

Bypasses excess liquid. Adjustable to maintain control of line pressure at any pressure within the valve's operating range selected pressure setting firmly held in place by locknut. Extra large valve passages to handle large flows.



Model 23120

- 302 stainless steel spring and EPDM O-ring
- Excellent chemical resistance
- 1/4" port for pressure gauge pipe plug included

Model 23120A

- Same as 23120 but with 316SS spring and Viton® O-ring.

How to order:

Specify valve number.

Example: (B)23120-1/2-PP

VALVE MFR NUMBER	INLET & PIPE CONNECTIONS	MATERIAL	PRESSURE RANGE
(B)23120-*-PP	½" or ¾"	Polypropylene	150 PSI (10 bar)
(B)23120A-*-PP	½" or ¾"	Polypropylene	150 PSI (10 bar)
(B)23120-*-PP-60	½" or ¾"	Polypropylene	60 PSI (4 bar)
(B)23120-*-PP-60-VI	½" or ¾"	Polypropylene/Viton®	60 PSI (4 bar)

*Specify pipe size.

(B) = BSPT



Model 23120

Model 6815

- Other models for high pressures up to 1,200 PSI (82 bar) are also available
- Brass also available with hardened stainless steel seat

How to order:

Specify valve number.

Example: (B)6815-1/2-50

VALVE MFR NUMBER	INLET & PIPE CONNECTIONS	MATERIAL	PRESSURE RANGE
(B)6815-*-50	½" or ¾"	Brass or Aluminum	50 PSI (3.5 bar)
(B)6815-*-300	½" or ¾"	Brass or Aluminum	300 PSI (20 bar)
(B)6815-*-700	½" or ¾"	Brass or Aluminum	700 PSI (48 bar)

*Specify pipe size.

(B) = BSPT



Model 6815

Model 110

- Removable bonnet for servicing unit without removing valve from line

How to order:

Specify valve number.

Example: AA(B)110-1/4-300

VALVE MFR NUMBER	INLET & PIPE CONNECTIONS	MATERIAL	PRESSURE RANGE
AA(B)110-*-300	¼" or ⅝"	Brass	300 PSI (20 bar)
AA(B)110-*-700	¼" or ⅝"	Brass	700 PSI (48 bar)
AA(B)110-1	1"	Brass, Aluminum or Ductile Iron	150 PSI (10 bar)
AA(B)110-1-1/4	1¼"	Brass, Aluminum or Ductile Iron	150 PSI (10 bar)
AA(B)110-1-1/2	1½"	Brass, Aluminum or Ductile Iron	150 PSI (10 bar)

*Specify pipe size.

(B) = BSPT



Model 110-1/4 and 110-3/8



Model 110-1-1/4 and 110-1-1/2

Model 8460 Diaphragm-Type Pressure Relief/Regulating Valves

- Flow rate to 56 GPM (212 l/min) for 1/2" and 70 GPM (265 l/min) for 3/4"
- 8460-*-50 uses stainless steel springs while 8460-* uses steel springs—responsive to the pressure range of each valve

- Extra large valve passages to handle full flow from supply line
- Positive locknut to hold adjustment screw firmly in place. Not affected by jarring and vibration

How to order:

Specify valve number.

Example: 8460-1/2-50

VALVE MFR NUMBER	INLET & PIPE CONNECTIONS	MATERIAL		PRESSURE RANGE
		INLET BODY	BONNET	
8460-*-50	½" or ¾"	Nylon	Aluminum	50 PSI (3.5 bar)
8460-*	½" or ¾"	Nylon	Aluminum	300 PSI (20 bar)

*Specify pipe size.



Model 8460

Pressure Relief Valves

Valves

Model 6B

- Molded of corrosion resistant materials; all wetted parts are polypropylene, stainless steel and polyethylene
- Maximum pressure of 150 PSI (10 bar)
- Flow Rate: 12 GPM (47 l/min) at 5 PSI (0.34 bar) pressure drop, 17 GPM (64 l/min) at 10 PSI (0.69 bar) pressure drop
- Molded-in mounting flange and 1/4" NPT gauge port
- Valves can be ganged together using hex nipple for multiple boom control
- Easily repaired without removing valve from spray line

How to order:

Specify Model Number.

Example: AA(B)6B (B) = BSPT



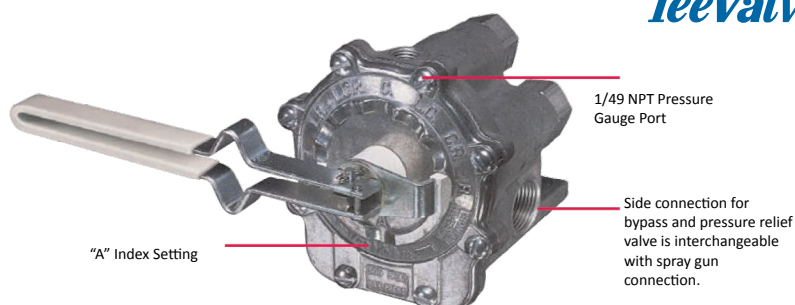
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TeeValve Control Valves

Valves

For Selective Control of Three-Section Boom Sprayers at Pressures up to 300 PSI (20 bar).

- Use to open any of three boom section lines in any desired combination
- Raise lever to open, lower lever to close the valve without changing the indexed position
- Aluminum construction with stainless steel and plastic internal parts for maximum corrosion resistance



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Model AA17

MODEL NUMBER	MATERIAL	MAXIMUM PRESSURE	INLET	(3) BOOM OUTLETS	ACCESSORY OUTLET
AA17Y	Aluminum, Polymer, SS	300 PSI (20 bar)	1" NPT	3/4" (F)	3/4" (F)
AA17L	Aluminum, Polymer, SS	300 PSI (20 bar)	3/4" NPT	3/4" (F)	3/4" (F)

How to order:

Specify Model Number.

Example: AA17Y

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Throttling Valve

Valves

For regulating flow in systems equipped with centrifugal pumps where sensitive regulation is required or to control flow in jet agitator return lines. Locknut holds pressure setting firmly in place




Type 23520

- Polypropylene construction for excellent chemical resistance
- Pressures to 150 PSI (10 bar)
- 1/2" and 3/4" NPT or BSPT connections
- Flow rate at 40 PSI (3 bar) is 16 GPM (63 l/min) for 1/2" size and 34 GPM (136 l/min) for 3/4" size

How to order:

Specify valve number.

Example: (B)23520-1/2-PP

(B) = BSPT



Type 12690

- Pressures to 125 PSI (9 bar)
- Constructed of Nylon, Celcon®, aluminum, steel and stainless steel
- Choice of 1/2" or 3/4" NPT connections
- Flow rate at 40 PSI (3 bar) is 36 GPM (142 l/min) for 1/2" size and 52 GPM (205 l/min) for 3/4" size

How to order:

Specify valve number.

Example: 12690-1/2-NYB



Type 12795

- Pressures to 150 PSI (10 bar)
- Available in brass, aluminum or ductile iron.
- Choice of 1", 1-1/4" or 1-1/2" NPT connections
- Flow rate at 40 PSI (3 bar) is 116 GPM (453 l/min) for 1" and 11/4" sizes and 172 GPM (679 l/min) for 1-1/2" size

How to order:

Specify valve number.

Example: 12795-1

Solenoid Foam Marker Valve

Valves

AA144F-1-3 Solenoid Foam Marker Valve

The 144F-1-3 three-way operated DirectoValve was designed for use with foam makers. With electrical power off, flow to outlet 1 is stopped and liquid flows to outlet 2. With electrical power on, flow to outlet 2 is stopped and liquid flows to outlet 1.

Features:

- Operating pressure range of 0-50 psi (0-3.5 bar)
- Large flow capacities: 8 gpm (30 l/min) with a 5 psi (0.34 bar) pressure drop
- Nylon encapsulated 12 VDC coil with 1/4" QuickConnect terminals
- Glass filled polypropylene (black) valve body
- Internal metal parts are made of brass; fasteners are made of stainless steel; other metal parts are zinc-plated
- Chemical resistant EPDM rubber seat washer and diaphragm



144F-1-3



Mfr Part #	Description
AA144F-1-3	Three-way operated DirectoValve was designed for use with foam markers. With electrical power off, flow to Outlet 1 is stopped and liquid flows to Outlet 2. With electrical power on, flow to Outlet 2 is stopped and liquid flows to Outlet 1.

How to order:

Specify Mfr Part Number.

Example: AA144F-1-3

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Boom End Valves

Valves

Boom End Flush Valves

Wilger Boom end Flush Valves are engineered for sprayers. With the perfect full drain, compact and chemically resistant flush valve, it fits perfectly with today's sprayers.

There are four different configurations of the boom end flush valve, tailoring each to the exact specifications needed to work perfectly.



**Quick Nut SST
Flush Valve**



25175-V0

- The QN SST flush valve fits onto Quick Nut Stainless Steel Tube male thread fittings
- Compatible with 1-1/4" NPT
- Noticeably longer thread than the TWS valve
- [Thread width/length is 7/8"]

**1" NPT Flush Valve
[with QNSST valve]**



25176-V0

- QNSST flush valve that fits onto a 1" NPT with an attached adapter
- Thread width/length is 7/8" + the adapter length
- Thread is compatible with 1" NPT

**Case Thin Wall Steel (TWS)
Flush Valve**



41402-V0

- The TWS flush valve fits onto Case Thin walled steel boom fittings
- Noticeably shorter thread than the QN SST valve
- [Thread width/length is 5/8"]

**1" NPT Flush Valve
[with TWS valve]**



41403-V0

- TWS flush valve that fits onto a 1" NPT with an attached adapter
- Thread width/length is 5/8" + the adapter length
- Thread is compatible with 1" NPT

Mfr Part Number	Description
Boom End Flush Valves (BEFV)	
25175-V0	QN Boom-End Flush Valve - 1" SST - VITON Seals
25176-V0	QN Boom-End Flush Valve - 1" NPT Female
25137-00	Adapter - QN SST BEFV To 1" NPTF
25137-V0	Adapter Kit - QN SST BEFV TO 1" NPTF Adapter W/ VITON O-Ring
25175-10	Replacement Dust Cap , BEFV
TWS Components (For Case Patriot)	
41400-00	TWS Tube End adapter Assy- 1.315" Tube
41401-01	Adapter Coupler Body - TWS x 1-1/4" NPTF
41403-00	Adapter - TWS BEFV to 1" NPTF
41403-V0	Adapter Kit- TWS BEFV to 1" NPTF adapter w/ Viton O-ring
41402-V0	TWS Boom-End Flush Valve - Viton Seals



25175-10



25137-00



41401-01



41403-00

How to order:

Specify Mfr Part Number.

Example: 25175-V0

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Solenoid Valve

Valves

On/Off and 2-Way | High Flows

Featuring up to 18 GPM in on/off configuration, our solenoids for high flows use a single host to control whatever segments you break the fluid into. They can handle both fluid and water-soluble chemical mixtures. Each one provides quick component attachment with full air control within the flow.



SV.1999A.1V.WP



TIR E-CHIP® COMPATIBLE

SV.2100C.1V.WP



TIR E-CHIP® COMPATIBLE

SV.2500B.1.WP



TIR E-CHIP® COMPATIBLE

SV.2502B.1.WPWP



TIR E-CHIP® COMPATIBLE

SPECS	SV.1999A.1V.WP	SV.2100C.1V.WP	SV.2500B.1.WP	SV.2502B.1.WP
TIR E-CHIP®	SV.1999A.1V.WP.C	SV.2100C.1V.WP.C	SV.2500B.1.WP.C	SV.2502B.1.WP.C
TYPE	2-Way Pilot Operating	2-Way Direct Operating	2-Way Direct Operating	2-Way Direct Operating
MAXIMUM PRESSURE*	175 PSI (1200 kPa)	125 PSI (861 kPa)	100 PSI (689 kPa)	175 PSI (1200 kPa)
GPM	0-18 (65 LPM)	0-10 (38 LPM)	0-10 (38 LPM)	0-8 (35 LPM)
PRESSURE DROP	5 PSI at 18 GPM	7.5 PSI at 10 GPM	5 PSI at 10 GPM	5 PSI at 8 GPM
VOLTAGE	12-Volt DC 24-Volt DC Available	12-Volt DC	12-Volt DC	12-Volt DC
STD. CURRENT DRAW	1.1 AMPS	2 AMPS	2 AMPS	2 AMPS
CV RATING	8.0	3.6	4.5	3.6
VALVE HOUSING	Glass-Filled Nylon	Glass-Filled Nylon	Glass-Filled Nylon	Glass-Filled Nylon
WETTED METAL PARTS	304 & 430F Stainless Steel	430F Stainless Steel	430F Stainless Steel	430F Stainless Steel
COIL	Epoxy Encapsulated	Epoxy Encapsulated	Epoxy Encapsulated	Epoxy Encapsulated
VALVE	Normally Closed	Normally Closed	Normally Closed	Normally Closed
DIAPHRAGM/SEAT/SEALS	Viton Aflas Available Viton A Available	Viton	Viton	Viton
TERMINALS	Weather Pack .25" Spade Available	Weather Pack .25" Spade Available	Weather Pack .25" Spade Available	Weather Pack .25" Spade Available
INLETS/OUTLETS	1" NPT Female Bypass Inlet 1" NPT Male Bypass Outlet .75" Female Boom Outlet	.75" NPT Female Bypass Inlet .75" NPT Male Bypass Outlet .5" NPT Female Boom Outlet	.75" NPT Female Bypass Inlet .75" NPT Male Bypass Outlet .5" NPT Female Boom Outlet	.75" NPT Female Bypass Inlet .75" NPT Male Bypass Outlet .5" NPT Female Boom Outlet
OPTIONAL				
TIR E-CHIP® CURRENT DRAW	1.1 AMPS draw reduces to .36 AMPS at 1 second	2 AMPS draw reduces to .6 AMPS at 1 second	2 AMPS draw reduces to .6 AMPS at 1 second	2 AMPS draw reduces to .6 AMPS at 1 second
ACCESSORIES				
REPAIR KITS	KT.2517 - Viton Repair Kit KT.2518 - Aflas Repair Kit	KT.2604 - Viton Repair Kit	KT.2352 - Viton Repair Kit	KT.2352 - Viton Repair Kit
MOUNTING BRACKETS	BKT.1988 - Single Valve BKT.1989 - Two Valves BKT.1990 - Three Valves	BKT.2148 - Single Valve BKT.2149 - Two Valves BKT.2151 - Three Valves	BKT.2148 - Single Valve BKT.2149 - Two Valves BKT.2151 - Three Valves	BKT.2148 - Single Valve BKT.2149 - Two Valves BKT.2151 - Three Valves

*Maximum Pressure Calculations based on 13.4V D.C.



All Valves are available in single, double or triple banks

SV.2502B.3.WP

How to order:

Specify Mfr Part #.

Example: SV.1999A.1V.WP

Solenoid Valve

Valves

On/Off and 2-Way | Low to Medium Flows

These Solenoid On/Off and 2-Way Valves give you the power to control and mix harsh chemicals easily and reliably with precision on/off functionality. These valves also feature quick component attachment, the ability to control air, and are ideal for low pressure, low to medium volume flows.



SV.2501B.WP



SV.3002A.WP



SV.3008A.WP



SV.3012A.WP



SV.3018A.WP

TIR E-CHIP® COMPATIBLE EMI

TIR E-CHIP® COMPATIBLE

TIR E-CHIP® COMPATIBLE

TIR E-CHIP® COMPATIBLE

TIR E-CHIP® COMPATIBLE

SPECS	SV.2501B.WP	SV.3002A.WP	SV.3008A.WP	SV.3012A.WP	SV.3018A.WP
TIR E-CHIP®	SV.2501B.WP.C	SV.3002A.WP.C	SV.3008A.WP.C	SV.3012A.WP.C	SV.3018A.WP.C
EMI	SV.2501B.WP.EMI				
TYPE	Direct Operating On/Off	Direct Operating On/Off	Direct Operating On/Off	2-Way Direct Operating	2-Way Direct Operating
MAXIMUM PRESSURE*	150 PSI (1034 kPa)	130 PSI (895 kPa)	40 PSI (275 kPa)	130 PSI (895 kPa)	40 PSI (275 kPa)
GPM	0–6 (22.7 LPM)	0–3.1 (11 LPM)	0–4 (15 LPM)	0–3.1 (11 LPM)	0–4 (15 LPM)
PRESSURE DROP	5 PSI at 6 GPM	4.5 PSI at 3.1 GPM	5 PSI at 4 GPM	4.5 PSI at 3.1 GPM	5 PSI at 4 GPM
VOLTAGE	12-Volt DC	12-Volt DC	12-Volt DC	12-Volt DC	12-Volt DC
STD. CURRENT DRAW	2 AMPS	1.7 AMPS	1.1 AMPS	1.1 AMPS	1.1 AMPS
CV RATING	2.7	1.48	1.83	1.48	1.83
VALVE HOUSING	Glass-Filled Nylon	Glass-Filled Nylon	Glass-Filled Nylon	Glass-Filled Nylon	Glass-Filled Nylon
WETTED METAL PARTS	430F Stainless Steel	430F Stainless Steel	430F Stainless Steel	430F Stainless Steel	430F Stainless Steel
COIL	Epoxy Encapsulated	Epoxy Encapsulated	Epoxy Encapsulated	Epoxy Encapsulated	Epoxy Encapsulated
VALVE	Normally Closed	Normally Closed	Normally Closed	Normally Closed	Normally Closed
DIAPHRAGM/SEAT/SEALS	Viton	Viton	Viton	Viton	Viton
TERMINALS	Weather Pack .25" Spade Available	Weather Pack .25" Spade Available	Weather Pack .25" Spade Available	Weather Pack .25" Spade Available	Weather Pack .25" Spade Available
INLETS/OUTLETS	.5" NPT Female Inlet .5" NPT Female Outlet	.5" NPT Female Inlet .5" NPT Female Outlet	.5" NPT Female Inlet .5" NPT Female Outlet	.75" NPT Female Inlet .75" NPT Male Bypass Outlet .5" NPT Female Boom Outlet	.75" NPT Female Inlet .75" NPT Male Bypass Outlet .5" NPT Female Boom Outlet
OPTIONAL					
TIR E-CHIP® CURRENT DRAW	2 AMPS reduces to .6 AMPS at 1 second	1.7 AMPS reduces to .56 AMPS at 1 second	1.1 AMPS reduces to .36 AMPS at 1 second	1.1 AMPS reduces to .36 AMPS at 1 second	1.1 AMPS reduces to .36 AMPS at 1 second
EMI CURRENT DRAW	1.6 AMPS				

How to order:

Specify Mfr Part #.

Example: SV.2501B.WP

*Maximum Pressure Calculations based on 13.4V D.C.

Solenoid Valve

Valves

On/Off | Low Flows

The Small Solenoid Valves are ideal for placement in end nozzles, foam markers, small sprayers and chemical injection systems. With quick component attachment and fully encapsulated, waterproof coils, these valves give you total, precise control over the spray tip and air flow.



SV.2201A.WP



TIR E-CHIP® COMPATIBLE



SV.2202A.WP



TIR E-CHIP® COMPATIBLE

SV.2203A.WP



TIR E-CHIP® COMPATIBLE

SV.2206A.WP



TIR E-CHIP® COMPATIBLE

SPECS	SV.2201A.WP	SV.2202A.WP	SV.2203A.WP	SV.2206A.WP
TIR E-CHIP®	SV.2201A.WP.C	SV.2202A.WP.C	SV.2203A.WP.C	SV.2206A.WP.C
EMI	SV.2201A.WP.EMI			
PUSH-TO-CONNECT	SV.4051.WP.C	SV.4050.WP.C		
TYPE	Direct Operating On/Off	Direct Operating On/Off	Direct Operating On/Off	Direct Operating On/Off
MAXIMUM PRESSURE*	125 PSI (861 kPa)	80 PSI (551 kPa)	175 PSI (1200 kPa)	200 PSI (1378 kPa)
GPM	0–1 (3.79 LPM)	0–1 (3.79 LPM)	0–.5 (1.9 LPM)	0–.22 (0.85 LPM)
PRESSURE DROP	5 PSI at 1 GPM	5 PSI at 1 GPM	3.5 PSI at .5 GPM	5 PSI at .22 GPM
VOLTAGE	12-Volt DC	12-Volt DC	12-Volt DC	12-Volt DC
STD. CURRENT DRAW	1.1 AMPS	.85 AMPS	.85 AMPS	.85 AMPS
CV RATING	0.45	0.45	0.26	0.1
VALVE HOUSING	Glass-Filled Nylon	Glass-Filled Nylon	Glass-Filled Nylon	Glass-Filled Nylon
WETTED METAL PARTS	304 and 430F Stainless Steel	304 and 430F Stainless Steel	304 and 430F Stainless Steel	304 and 430F Stainless Steel
COIL	Epoxy Encapsulated	Epoxy Encapsulated	Epoxy Encapsulated	Epoxy Encapsulated
VALVE	Normally Closed	Normally Closed	Normally Closed	Normally Closed
DIAPHRAGM/SEALS	Viton	Viton	Viton	Viton
TERMINALS	Weather Pack .25" Spade Available	Weather Pack .25" Spade Available	Weather Pack .25" Spade Available	Weather Pack .25" Spade Available
STD. INLETS/OUTLETS	.25" NPT Female Inlet .25" NPT Female Outlet Push-To-Connect Attachments available	.25" NPT Female Inlet .25" NPT Female Outlet Push-To-Connect Attachments available	.25" NPT Female Inlet .25" NPT Female Outlet	.25" NPT Female Inlet .25" NPT Female Outlet
OPTIONAL				
TIR E-CHIP® CURRENT DRAW	1.1 AMPS reduces to .36 AMPS at 1 second	.85 AMPS reduces to .26 AMPS at 1 second	.85 AMPS reduces to .26 AMPS at 1 second	.85 AMPS reduces to .26 AMPS at 1 second
EMI CURRENT DRAW	1.6 AMPS			
PUSH-TO-CONNECT SPECS				
PTC INLET/OUTLET FITTINGS	3/8" OD Tube Fitting	3/8" OD Tube Fitting		
PTC TUBE TYPE COMPATIBILITY	Plastic Soft Metal	Plastic Soft Metal		
PTC COMPOSITION	Collet Gripper Viton O-Ring Stainless Steel Teeth Plastic Half-Cartridge	Collet Gripper Viton O-Ring Stainless Steel Teeth Plastic Half-Cartridge		



Available with EMI capability

EMI (Electro Magnetic Interference) reduces peak spikes.

How to order:

Specify Mfr Part #.

Example: SV.2201A.WP

*Maximum Pressure Calculations based on 13.4V D.C.



Solenoid Valve

Valves

On/Off | Low Flows

Designed specifically for spraying, these valves give you precise control of the spray nozzle. They can accommodate multiple spray tips and patterns at the same time and are recommended for boom end nozzles, individual nozzle shutoffs and where instantaneous opening and shutoff are desirable. Our nozzle body outlets are compatible with most industry-standard quick connect nozzle caps.



SPECS	NB.2601A.WP	NB.2602A.WP	NB.2603A.WP
TYPE	Direct Operating On/Off	Direct Operating On/Off	Direct Operating On/Off
MAXIMUM PRESSURE*	125 PSI (861 kPa)	80 PSI (551 kPa)	175 PSI (1200 kPa)
GPM	0-1 (3.79 LPM)	0-1 (3.79 LPM)	0-.5 (1.9 LPM)
PRESSURE DROP	5 PSI at 1 GPM	5 PSI at 1 GPM	3.5 PSI at .5 GPM
VOLTAGE	12-Volt DC	12-Volt DC	12-Volt DC
STD. CURRENT DRAW	1.1 AMPS	.85 AMPS	.85 AMPS
CV RATING	0.45	0.45	0.26
VALVE HOUSING	Glass-Filled Nylon	Glass-Filled Nylon	Glass-Filled Nylon
WETTED METAL PARTS	304 and 430F Stainless Steel	304 and 430F Stainless Steel	304 and 430F Stainless Steel
COIL	Epoxy Encapsulated	Epoxy Encapsulated	Epoxy Encapsulated
VALVE	Normally Closed	Normally Closed	Normally Closed
SEALS	Viton	Viton	Viton
TERMINALS	Weather Pack	Weather Pack	Weather Pack
INLETS/OUTLETS	.25" NPT Female Inlet .25" Nozzle Body Outlet	.25" NPT Female Inlet .25" Nozzle Body Outlet	.25" NPT Female Inlet .25" Nozzle Body Outlet

How to order:

Specify Mfr Part #.

Example: NB.2602A.WP

*Maximum Pressure Calculations based on 13.4V D.C.

Poly Shutoff Valves

Valves

Single and double garden hose valves with 3/4" GHT. 100 PSI maximum operating pressure. ABS construction.

Mfr Part Number	Description
G 3434 V	3/4" Female GHT (inlet) x 3/4" Male GHT (1 outlet)



Valves

Valves

Features:

- Construction that allows usage of up to 15 GPM
- Viton seal prevents leakage and provides the best chemical resistance
- Stainless steel spring
- Knurled locknut for ease of adjustment
- 1/2" & 3/4" NPT-M inlet and a 3/4" NPT-F outlet

WARNING: PRV can explode if plumbed improperly. Be sure fluid flow is correct and product is never operated at higher than maximum pressures listed. Max. recommended temperature: 120°F



	Mfr Part #	Pipe Size (NPT)		SPRNG	Pressure Range	
		IN	OUT		PSIG	BARS
Nylon PRV	13895-1	1/2"	3/4"	12523	0-250	0-17
	13895-2	3/4"	3/4"	12523	0-250	0-17
	13895-3	3/4"	3/4"	22273	0-100	0-7
	13895-6	3/4"	3/4"	18892	0-400	0-27.6
	13895-7	3/4"	3/4"	12523	0-250	0-17
Brass PRV	37562-4	1/2"	3/4"	37565	0-700	0-48
	37562-6	3/4"	3/4"	12523	0-250	0-17



Nylon PRV
#13895
Wt.: 4oz.
Max Press.:
400 PSIG



Brass PRV
#37562
Wt.: 1.3 lbs.
Max Press.:
700 PSIG

Nylon PRV #13895-For Maximum Corrosion Resistance
Brass PRV #37563-For Durability and Strength

How to order:

Specify Mfr Part #.
Example: 13895-1

Foot Valves

Other Brands

Valves

Standard Bronze Foot Valve With Perforated Brass Strainer

Westward Part #	Description	Replaces	Pipe Size	Min. Well Dia.
SPP78696	Foot Valve 3/4"	627610	3/4"	1- 1/4"
SPP78697	Foot Valve 1"	627620	1"	2"
SPP78699	Foot Valve 1-1/2"	627640	1-1/2"	3"
SPP78700	Foot Valve 2"	627650	2"	3-1/2"



SPP78696

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How to order:

Specify Westward Part #.
Example: SPP78696

Gate Valves

Other Brands

Valves

Westward Part#	Description	Size
SPP76022	3/8" Brass Gate Valve 200 psi	3/8"
SPP76007	1/2" Brass Gate Valve 200 psi	1/2"
SPP76008	3/4" Brass Gate Valve 200 psi	3/4"
SPP76009	1" Brass Gate Valve 200 psi	1"
SPP76010	1-1/4" Brass Gate Valve 200 psi	1-1/4"
SPP76011	1-1/2" Brass Gate Valve 200 psi	1-1/2"
SPP76012	2" Brass Gate Valve 200 psi	2"



SPP76007

How to order:

Specify Westward Part #.
Example: SPP76022

Ball Valves
Other Brands
Valves

Westward Part#	Description	Size
Brass Ball Valves		
SPP76000	1/4" FNPT Full Port Brass 400 W.O.G. Ball Valve 600 psi	1/4"
SPP77560	1/4" FNPT X FNPT Mini Chromed Brass Ball Valve 200 psi	1/4"
SPP77561	1/4" FNPT x MNPT Mini Chromed Brass Ball Valve 200 psi	1/4"
SPP76001	1/2" FNPT Full Port Brass 400 W.O.G. Ball Valve 600 psi	1/2"
SPP77564	1/2" FNPT X FNPT Mini Chromed Brass Ball Valve 200 psi	1/2"
SPP77565	1/2" FNPT X MNPT Mini Chromed Brass Ball Valve 200 psi	1/2"
SPP76002	3/4" FNPT Full Port Brass 400 W.O.G. Ball Valve 600 psi	3/4"
SPP76013	3/8" FNPT Full Port Brass 400 W.O.G. Ball Valve 600 psi	3/8"
SPP77562	3/8" FNPT X FNPT Mini Chromed Brass Ball Valve 200 psi	3/8"
SPP76003	1" FNPT Full Port Brass 400 W.O.G. Ball Valve 600 psi	1"
SPP76004	1-1/4" FNPT Full Port Brass 400 W.O.G. Ball Valve 600 psi	1-1/4"
SPP76005	1-1/2" FNPT Full Port Brass 400 W.O.G. Ball Valve 600 psi	1-1/2"
SPP76006	2" FNPT Full Port Brass 400 W.O.G. Ball Valve 600 psi	2"
SPP76129	3" FNPT Full Port Brass 400 W.O.G. Ball Valve 600 psi	3"
PVC Ball Valves		
SPP76527	1/2" PVC Ball Valve FPT X FPT	1/2"
SPP76528	3/4" PVC Ball Valve FPT X FPT	3/4"
SPP76529	1" PVC Ball Valve FPT X FPT	1"
SPP76531	1 1/2" PVC Ball Valve FPT X FPT	1-1/2"
SPP76530	1 1/4" PVC Ball Valve FPT X FPT	1-1/4"
SPP76532	2" FPT X FPT PVC Ball Valve	2"
SPP76533	3" FPT X FPT PVC Ball Valve	3"
Stainless Steel Ball Valves		
SPP77507	1/4" FNPT SS Ball Valve 1000 psi	1/4"
SPP77508	3/8" FNPT SS Ball Valve 1000 psi	3/8"
SPP77511	1" FNPT SS Ball Valve 1000 psi	1"
SPP77512	1-1/4" FNPT SS Ball Valve 1000 psi	1-1/4"
SPP77513	1-1/2" FNPT SS Ball Valve 1000 psi	1-1/2"



SPP76000



SPP77560

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SPP76533



SPP77491

Ball Valves
Other Brands
Valves

Westward Part#	Description	Size
PVC Check Valves		
SPP75990	1/2" PVC Threaded Check Valve FPT X FPT	1/2"
SPP75991	1" PVC Threaded Check Valve FPT X FPT	1"
SPP75992	1-1/4" PVC Threaded Check Valve FPT X FPT	1-1/4"
SPP75993	1 1/2" PVC Threaded Check Valve FPT X FPT	1-1/2"
SPP75994	2" PVC Threaded Check Valve FPT X FPT	2"
Bronze Check Valves		
SPP78710	Bronze Threaded Check Valve 1"	1"
SPP78711	Bronze Threaded Check Valve 1-1/4"	1-1/4"
SPP78712	Bronze Threaded Check Valve 1-1/2"	1-1/2"



SPP75991



SPP78710

Flow Meters

Flow Indicators

800 Series Flow Meters

- Turbine style design for optimal accuracy
- Durable ruby-bearings for long wear life
- Easily removed "quick check" turbine for quick cleanup and service
- Operating voltage of +4.5–16 VDC with LED status light
- Wetted parts are glass-filled polypropylene, stainless steel and Viton®
- 801 and 801A feature 300 PSI (20 bar) pressure rating
- 802 features 200 PSI (14 bar) pressure rating




MFR PART NUMBER	DESCRIPTION	FLOW CAPACITY
801A	801A Flow Meter with 4-Bolt Flange and Deutsch (TeeJet) Connector For Use with 430 Manifold	2–60 GPM (7.5–225 l/min)
801	801 Flow Meter with 50-Series Flange and Deutsch (TeeJet) Connector	2–60 GPM (7.5–225 l/min)
57-10100	801 Flow Meter with 50-Series Flange and Conxall (Raven) Connector	2–60 GPM (7.5–225 l/min)
57-10127	801 Flow Meter with 50-Series Flange and Conxall (Raven) Connector	2–60 GPM (7.5–225 l/min)
90-50231	801 Flow Meter with ¾" Straight Hose Barbs and Deutsch (TeeJet) Connector	2–60 GPM (7.5–225 l/min)
90-50273	801 Flow Meter with ¾" Straight Hose Barbs and Conxall (Raven) Connector	2–60 GPM (7.5–225 l/min)
90-50230	801 Flow Meter with 1" Straight Hose Barbs and Deutsch (TeeJet) Connector	2–60 GPM (7.5–225 l/min)
90-50272	801 Flow Meter with 1" Straight Hose Barbs and Conxall (Raven) Connector	2–60 GPM (7.5–225 l/min)
90-50232	801 Flow Meter with 1¼" Straight Hose Barbs and Deutsch (TeeJet) Connector	2–60 GPM (7.5–225 l/min)
90-50274	801 Flow Meter with 1-1/4" Straight Hose Barbs and Conxall (Raven) Connector	2–60 GPM (7.5–225 l/min)
90-50233	801 Flow Meter with 1¼" NPT(F) Thread and Deutsch (TeeJet) Connector	2–60 GPM (7.5–225 l/min)
802	802 Flow Meter with 75-Series Flange and Deutsch (TeeJet) Connector	3–130 GPM (11–492 l/min)
57-10122	802 Flow Meter with 75-Series Flange and Conxall (Raven) Connector	3–130 GPM (11–492 l/min)
57-10125	802 Flow Meter with 75-Series Flange and Conxall (Raven) Connector	3–130 GPM (11–492 l/min)

D Series Flow Meters

- Simple, paddle wheel design for minimal flow restriction.
- Nylon construction for chemical resistance and durability.
- Sensor assembly easily removed for service.
- Pressure rating of 230 PSI (16 bar).



MFR PART NUMBER	DESCRIPTION	FLOW CAPACITY
57-00079	10-mm Flow Meter, 0.5-M Cable, Deutsch (TeeJet) Connector, No Hose Barbs	0.4–22 GPM (1.5–83 l/min)
906-989	10-mm Flow Meter, 0.5-M Cable, Deutsch (TeeJet) Connector, ½" Hose Barbs	0.4–22 GPM (1.5–83 l/min)
90-02308	10-mm Flow Meter, 10-M Cable, No Connector, No Hose Barbs	0.4–22 GPM (1.5–83 l/min)
906-987	10-mm Flow Meter, 10-M Cable, No Connector, No Hose Barbs	0.4–22 GPM (1.5–83 l/min)
57-00080	16-mm Flow Meter, 0.5-M Cable, Deutsch (TeeJet) Connector, No Hose Barbs	1.3–42 GPM (5–160 l/min)
907-985	16-mm Flow Meter, 0.5-M Cable, Deutsch (TeeJet) Connector, 1" Hose Barbs	1.3–42 GPM (5–160 l/min)
90-02310	16-mm Flow Meter, 10-M Cable, No Connector, No Hose Barbs	1.3–42 GPM (5–160 l/min)
907-986	16-mm Flow Meter, 10-M Cable, No Connector, No Hose Barbs	1.3–42 GPM (5–160 l/min)
57-00081	20-mm Flow Meter, 0.5-M Cable, Deutsch (TeeJet) Connector, No Hose Barbs	5.3–66 GPM (20–250 l/min)
906-988	20-mm Flow Meter, 0.5-M Cable, Deutsch (TeeJet) Connector, No Hose Barbs	5.3–66 GPM (20–250 l/min)
906-986	20-mm Flow Meter, 10-M Cable, No Connector, No Hose Barbs	5.3–66 GPM (20–250 l/min)
57-00082	26-mm Flow Meter, 0.5-M Cable, Deutsch (TeeJet) Connector, No Hose Barbs	5.3–105 GPM (20–400 l/min)
908-988	26-mm Flow Meter, 0.5-M Cable, Deutsch (TeeJet) Connector, No Hose Barbs	5.3–105 GPM (20–400 l/min)
908-989	26-mm Flow Meter, 10-M Cable, No Connector, No Hose Barbs	5.3–105 GPM (20–400 l/min)
57-00094	40-mm Flow Meter, 0.5-M Cable, Deutsch (TeeJet) Connector, No Hose Barbs	10.5–264 GPM (40–1000 l/min)
909-988	40-mm Flow Meter, 0.5-M Cable, Deutsch (TeeJet) Connector, No Hose Barbs	10.5–264 GPM (40–1000 l/min)
909-986	40-mm Flow Meter, 10-M Cable, No Connector, No Hose Barbs	10.5–264 GPM (40–1000 l/min)

How to order:

Specify Mfr Part Number.

Example: 801A

Flow Meters

Flow Indicators

Flow Meters

- Displays overall total volume and batch total volume
- Flow rate allows for Gallons or Liters per minute
- The display reads 6 digits for rate, 8 digits for total and 1 decimal place reading in tenths
- Magnetic style meter with stainless steel electrodes
- Self calibrating meter
- Measures water and most conductive liquids
- Easy to change six (6) AA batteries
- No moving parts to fail during use
- Glass-reinforced polypropylene
- Temperature range from 0°F to 150°F
- Accuracy is 99% from 11 to 100 GPM for 1"
- Accuracy is 99% from 30 to 300 GPM for 2"
- Accuracy is 99% from 67 to 670 GPM for 3"
- There are 3 photoeyes located on the face of the flow meter. These are not push buttons; to activate you must hold your finger over the photoeye for 2-4 seconds
- Flow meters will not read petroleum based liquids
- It is recommended to have at least 10X the diameter of straight pipe before and after the flow meter



FLOW METERS

MFR PART #	DESCRIPTION	MAX PSI	GPM
FM100	1" Full Port Female Npt Flow Meter	200	110 GPM
MFM100	1" Full Port Manifold Flow Meter	200	110 GPM
MFM220	2" Full Port Manifold Flow Meter	200	300 GPM
MFM300	3" Full Port Flow Meter	200	670 GPM

How to order:

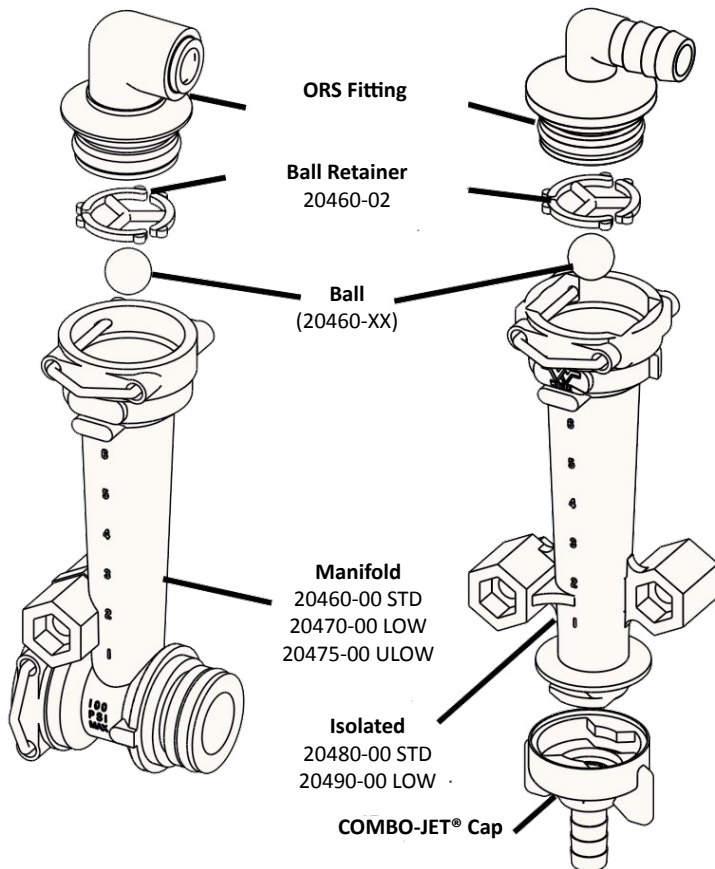
Specify Mfr Part Number.

Example: FM100

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Flow Meters

Flow Indicators



***Isolated Kits include:** Flow Indicator Body, Ball Retainer (20460-02), U-clip (20460-04), Green Ball (20460-08), Red Plastic Ball (20460-07), Red Glass Ball (20460-06), 1/2" Stainless Ball (20460-10)

***Manifold Kits include:** Flow Indicator Body, Ball Retainer (20460-02), O-ring seal (20460-03 or -15), 2x U-clips (20460-04), Green Ball (20460-08), Red Plastic Ball (20460-07), Red Glass Ball (20460-06), 1/2" Stainless Ball (20460-10)

Flow Indicator Column Specifications*

Max Operating Pressure:	100 PSI (7 BAR)
Max Metered Flow Rate:	Up to 8.0 US gpm
Max Operating Temperature:	185°F / 85°C
O-Ring Seal Materials:	Buna-N or Viton®
U-clip Material:	Stainless Steel (302)
ORS Fitting Material:	Glass-Reinforced Polypropylene
Flow Column Material:	TPX™ (Polymethylpentene)

TIP: Use the Calculators found at Wilger.net to make calculating flow rates simple.

Manifold Feed Ball Flow Indicators

Available Options:

Standard Flow
Low Flow
UltraLow Flow

Typical Uses:

Multi-line monitoring
Liquid Fertilizer Application on
Seeders/Planters/Sprayers



Isolated Feed Ball Flow Indicators

Available Options:

Standard Flow
Low Flow

Typical Uses:

Single Line Monitoring
Squeeze Pump Systems

* Uses radiallock cap for individual feed lines.



Manifold Feed Columns

Model	KIT	Mfr Part Number
ULTRA LOW FLOW 0.01-0.24 us gpm	VITON® KIT	20475-V0
	BUNA-N KIT	20475-00
	BODY ONLY	20475-01
LOW FLOW 0.05-0.65 us gpm	VITON® KIT	20470-V0
	BUNA-N KIT	20470-00
	BODY ONLY	20470-01
STANDARD FLOW 0.07-2.7 us gpm	VITON® KIT	20460-V0
	BUNA-N KIT	20460-00
	BODY ONLY	20460-01

Isolated Feed Columns

Model	KIT	Mfr Part Number
LOW FLOW 0.05-0.65 us gpm	ISOLATED KIT	20490-00
	BODY ONLY	20490-01
STANDARD FLOW 0.07-2.7 us gpm	ISOLATED KIT	20480-00
	BODY ONLY	20480-01

How to order:






Specify Mfr Part Number.
Example: 20475-V0

Replacement Parts

Flow Indicators

Balls

Ball Options for Ultra Low Flow






-  **Orange Plastic Ball** (#20460-13)
Suggested Flow*: 0.01-0.04 usgpm
-  **Green Plastic Ball** (#20460-08)
Suggested Flow*: 0.01-0.04 usgpm
-  **Red Plastic Ball** (#20460-07)
Suggested Flow*: 0.02-0.06 usgpm
-  **Red Glass Ball** (#20460-06)
Suggested Flow*: 0.06-0.13 usgpm
-  **1/2" Stainless Ball** (#20460-05)
Suggested Flow*: 0.13-0.24 usgpm

*Suggested flow is based on water. Viscosity and density can influence flow levels. Lighter balls may float in dense liquids.

Example Application/Selection: RATE:

4.5 US Gallons/Acre
WEIGHT of Liquid: 11.5 lbs/ US Gal
SPEED: 6 mph
OUTLET SPACING: 30 inch
Calculated Flow Rate: 0.16 usgpm
BALL SUGGESTION: 1/2" Stainless Ball

Ball Options for Low Flow






-  **Orange Plastic Ball** (#20460-13)
Suggested Flow*: 0.05-0.12 usgpm
-  **Green Plastic Ball** (#20460-08)
Suggested Flow*: 0.05-0.12 usgpm
-  **Red Plastic Ball** (#20460-07)
Suggested Flow*: 0.06-0.16 usgpm
-  **Red Glass Ball** (#20460-06)
Suggested Flow*: 0.12-0.26 usgpm
-  **1/2" Stainless Ball** (#20460-05)
Suggested Flow*: 0.18-0.65 usgpm

*Suggested flow is based on water. Viscosity and density can influence flow levels. Lighter balls may float in dense liquids.

Example Application/Selection: RATE:

10 US Gallons/Acre
WEIGHT of Liquid: 11.5 lbs/ US Gal
SPEED: 6 mph
OUTLET SPACING: 30 inch
Calculated Flow Rate: 0.35 us gpm
BALL SUGGESTION: 1/2" Stainless Ball

Ball Options for Standard Flow

-  **Green Plastic Ball*** (#20460-08)
Suggested Flow*: 0.07-0.25 usgpm
-  **Red Plastic Ball** (#20460-07)
Suggested Flow*: 0.10-0.35 usgpm
-  **Red Glass Ball** (#20460-06)
Suggested Flow*: 0.21-0.72 usgpm
-  **1/2" Stainless Ball** (#20460-05)
Suggested Flow*: 0.40-1.70 usgpm
-  **7/16" Stainless Ball** (#20460-10)
Suggested Flow*: 1.00-2.70 usgpm

*Suggested flow is based on water. Viscosity and density can influence flow levels. Lighter balls may float in dense liquids.

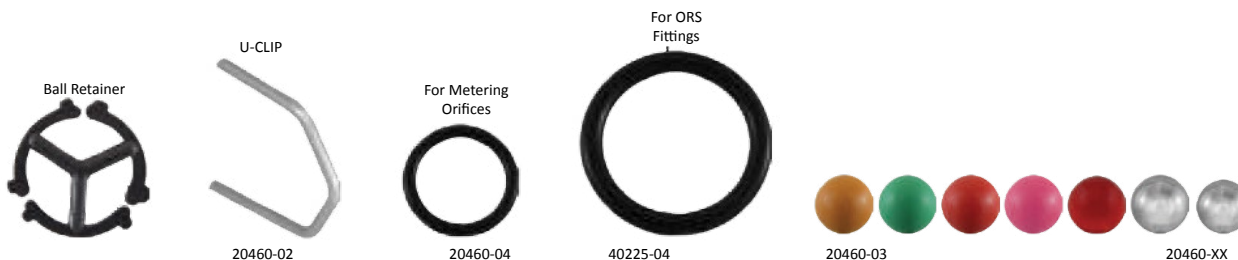
* Green plastic ball also available in orange (#20460-13)

Example Application/Selection: RATE:

15 US Gallons/Acre
WEIGHT of Liquid: 11.5 lbs/ US Gal
SPEED: 6 mph
OUTLET SPACING: 30 inch
CALCULATED FLOW RATE: 0.53 us gpm
BALL SUGGESTION: Red Glass Ball



Replacement Parts



Mfr Part Number	Description
20460-11	Manifold Feed Components Kit (w/o Indicator Body)
20480-02	Isolated Feed Components Kit (w/o Indicator Body)
20460-02	Ball Retainer
20460-04	Lock U-Clip, 302SS
20460-03	O-Ring - #212 BUNA-N (For ORS Body and Fittings)
20460-15	O-Ring - #212 VITON® (For ORS Body and Fittings)
40225-04	O-ring - #015 Buna-N (For ORS Metering Orifices)
40225-05	O-ring - #015 Viton® (For ORS Metering Orifices)
40550-SS	2 Hole 1/4" Bolt-Mount Clamp for 1" Sq Tube
40551-SS	2 Hole 1/4" Bolt-Mount Clamp for 1-1/4" Sq Tube
40552-SS	2 Hole 1/4" Bolt-Mount Clamp for 1-1/2" Sq Tube

How to order:

Specify Mfr Part Number.

Example: 20460-11

Typical* Operating Ranges for Flow Indicator Balls (US Gal/Min)				
Ball Description & Color	Part #	Flow Indicator Columns & Flow Ranges		
		Ultra Low Flow	Low Flow	Standard Flow
Orange Polypropylene Ball	20460-13	0.01-0.04	0.05-0.12	0.07-0.25
Green Polypropylene Ball	20460-08	0.01-0.04	0.05-0.12	0.07-0.25
Red Celcon Ball	20460-07	0.02-0.06	0.06-0.16	0.10-0.35
Pink Celcon Ball	20460-14	0.02-0.06	0.06-0.16	0.10-0.35
Red Glass Ball	20460-06	0.06-0.13	0.12-0.26	0.21-0.72
1/2" Stainless Steel (302) Ball	20460-05	0.13-0.24	0.18-0.65	0.40-1.70
7/16" Stainless Steel (302) Ball	20460-10	n/a	n/a	1.00-2.70

*Density/Viscosity of liquid used can effect operating range. In very dense liquids, balls may float.

PRO TIP: Using two balls simultaneously - If lighter ball stays too close to the top, try using the next heaviest ball below as well, to cover changes in application rate and/or speeds.

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O-Ring Seal

Flow Indicators

O-Ring Seal (ORS) Check Valve Bodies

Note: if check valve body is not used, in-line check valve is recommended.

*10PSI check valves are standard. Contact factory for 4PSI & 15PSI check valve options.

Model	O-ring(s)	Dia. Check Valve	Manual ON/OFF	Air-Off Operated	Optional Nut
ORS Male to ORS Female	VITON® KIT	20550-V0	20551-V0	20552-V0	20553-V0
	BUNA-N KIT	20550-00	20551-00	20552-00	20553-00
ORS Male to COMBO-JET Cap	VITON® KIT	20560-V0	20561-V0	20562-V0	20563-V0
	BUNA-N KIT	20560-00	20561-00	20562-00	20563-00

How to order:

Specify Mfr Part Number.

Example: 20550-V0

Male ORS to Female ORS



Male ORS to Combo-Jet® Cap



O-Ring Seal Manifolds

A new Wilger ORS manifold that will make it even easier and cost effective to setup and manage liquid applications.

Model	O-ring	Mfr Part Number
2 Outlet Splitter	VITON® KIT	20527-V0
	BUNA-N KIT	20527-00
	BODY ONLY	20527-01
1 Outlet Manifold	VITON® KIT	20571-V0
	BUNA-N KIT	20571-00
	BODY ONLY	20571-01
2 Outlet Manifold	VITON® KIT	20572-V0
	BUNA-N KIT	20572-00
	BODY ONLY	20572-01
3 Outlet Manifold	VITON® KIT	20573-V0
	BUNA-N KIT	20573-00
	BODY ONLY	20573-01
4 Outlet Manifold	VITON® KIT	20574-V0
	BUNA-N KIT	20574-00
	BODY ONLY	20574-01

Example of some ORS fitting configurations



How to order:

Specify Mfr Part Number.

Example: 20527-V0

ORS Hose Barb Fittings

Size	O-ring(s)	Straight Hose Barb	90° Hose Barb
3/8"	VITON®	20501-V0	20511-V0
	BUNA-N	20501-00	20511-00
1/2"	VITON®	20502-V0	20512-00
	BUNA-N	20502-00	20512-00
5/8"	VITON®	-	20514-V0
	BUNA-N	-	20514-00
3/4"	VITON®	20503-V0	20513-V0
	BUNA-N	20503-00	20513-00



Push In Tube or Threaded Fittings

Size	O-ring(s)	90° Push In Tube	NPT-F	NPT-F
1/4"	VITON®	20516-V0	20518-V0	20519-V0
	BUNA-N	20516-00	20518-00	20519-00
5/16"	VITON®	20528-V0		
	BUNA-N	20528-00		
3/8"	VITON®	20517-V0		
	BUNA-N	20517-00		

PRO TIP: When assembling any Flow Indicator or O-ring Seal (ORS) components, using a touch of lubricant (e.g. liquid silicone) on O-rings makes assembly and maintenance easy.

Replacement Parts

Flow Indicators

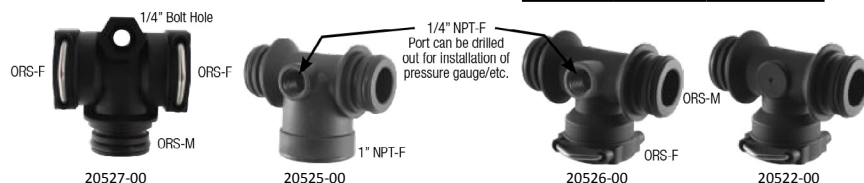
ORS Tees and Other Plumbing Fittings

Model	O-ring	Mfr Part Number
90° ORS Elbow (ORS-M x ORS-F)	VITON®	20520-V0
	BUNA-N	20520-00
ORS Tee (ORS-M x ORS-M x ORS-F)	VITON®	20522-V0
	BUNA-N	20522-00
ORS Tee w/ 1/4" NPT-F Thread [ORS-M x ORS-M x ORS-F w/ 1/4" NPT-F]	VITON®	20526-V0
	BUNA-N	20526-00
3/8" NPT-F x Blind ORS Tee [BLIND ORS-F x ORS-M x 3/8" NPT-F]	VITON®	20523-V0
	BUNA-N	20523-00
3/8" NPT-F x ORS Tee Viton® 20524-V0 \$9.40 [ORS-F x ORS-M x 3/8" NPT-F]	VITON®	20524-V0
	BUNA-N	20524-00
2 Outlet ORS-F Splitter [ORS-F x ORS-F x ORS-M]	VITON®	20527-V0
	BUNA-N	20527-00
1" NPT-F x ORS Tee [ORS-M x ORS-M x 1" NPT-F]	VITON®	20525-V0
	BUNA-N	20525-00



ORS End Caps & Plug

Model	Mfr Part Number
Male Plug	VITON® 20529-V0
	BUNA-N 20529-00
Female End Cap	20522-V0
NPT-M	1/4" 20530-00
NPT-F	1/4" 20535-00
	3/8" 20536-00
	1/2" 20537-00



O-Ring Seal (ORS) Metering Orifices*

Custom ORS Metering Orifices	Custom Orifice		Blank Orifice	
	BUNA-N	VITON®	BUNA-N	VITON®
ORS Orifice Part #	21XXX-00	21XXX-00	21000-00	21000-V0
Color	Black	Black	Black	Black



**Custom sized ORS metering orifices are available in sizes from 0.009" to 0.25" hole sizes. Refer to full chart or ORS metering orifice calculator online @ www.wilger.net If hole size is known, replace XXX in 21XXX-00 with hole size; e.g. 0.018" hole = 21018-00.

*Metering orifices can be inserted into all ORS fittings, utilized to control flows ranging from 0.004 to 8.0 USGPM.

ISO Color-Coded ORS Metering Orifices (rated in us gallons/minute flow rates based on water @ 40PSI) [Viton® O-ring is standard]

Flow Rate (US gpm)	0.01	0.07	0.1	0.15	0.2	0.25	0.3	0.4	0.5	0.6	0.8	1.0	1.25	1.5	2.0
ORS Orifice Part #	21500-V005	21500-V007	21500-V01	21500-V015	21500-V02	21500-V025	21500-V03	21500-V04	21500-V05	21500-V06	21500-V08	21500-V10	21500-V125	21500-V15	21500-V20
Color	BLACK	PINK	ORANGE	GREEN	YELLOW	PURPLE	BLUE	RED	BROWN	GREY	WHITE	LT BLUE	TEAL	LT GREEN	TAN

Orifice Part#	Flow Rate (US gallons/minute)						Orifice Part#	Flow Rate (US gallons/minute)						Orifice Part#	Flow Rate (US gallons/minute)						Orifice Part#	Flow Rate (US gallons/minute)					
	5PSI	10PSI	15PSI	20PSI	30PSI	40PSI		5PSI	10PSI	15PSI	20PSI	30PSI	40PSI		5PSI	10PSI	15PSI	20PSI	30PSI	40PSI		5PSI	10PSI	15PSI	20PSI	30PSI	40PSI
21009-XX	0.00	0.01	0.01	0.01	0.01	0.01	21043-XX	0.08	0.12	0.14	0.16	0.20	0.23	21500-V08	0.28	0.40	0.49	0.57	0.69	0.80	21136-XX	0.84	1.19	1.46	1.68	2.06	2.38
21011-XX	0.01	0.01	0.01	0.01	0.01	0.01	21500-V025	0.09	0.13	0.16	0.18	0.22	0.25	21081-XX	0.29	0.41	0.50	0.58	0.71	0.82	21140-XX	0.89	1.26	1.55	1.79	2.19	2.53
21013-XX	0.01	0.01	0.01	0.01	0.02	0.02	21046-XX	0.09	0.13	0.16	0.19	0.23	0.27	21083-XX	0.32	0.45	0.55	0.64	0.78	0.90	21144-XX	0.93	1.31	1.61	1.85	2.27	2.62
21015-XX	0.01	0.01	0.02	0.02	0.02	0.03	21047-XX	0.10	0.14	0.17	0.19	0.24	0.27	21086-XX	0.33	0.47	0.57	0.66	0.81	0.94	21147-XX	0.95	1.35	1.65	1.90	2.33	2.69
21018-XX	0.01	0.02	0.03	0.03	0.04	0.04	21049-XX	0.10	0.15	0.18	0.21	0.26	0.29	21089-XX	0.35	0.49	0.60	0.69	0.85	0.98	21150-XX	1.02	1.44	1.77	2.04	2.50	2.89
21500-V005	0.02	0.03	0.03	0.04	0.04	0.05	21500-V03	0.11	0.15	0.18	0.21	0.26	0.30	21500-V10	0.35	0.50	0.61	0.71	0.87	1.00	21152-XX	1.05	1.49	1.82	2.10	2.58	2.98
21020-XX	0.02	0.03	0.03	0.04	0.05	0.05	21051-XX	0.11	0.16	0.20	0.23	0.28	0.32	21091-XX	0.37	0.52	0.64	0.74	0.91	1.05	21156-XX	1.10	1.55	1.90	2.20	2.69	3.11
21022-XX	0.02	0.03	0.04	0.04	0.05	0.06	21052-XX	0.12	0.17	0.21	0.24	0.29	0.33	21093-XX	0.39	0.55	0.67	0.77	0.95	1.09	21161-XX	1.16	1.63	2.00	2.31	2.83	3.27
21500-V007	0.02	0.03	0.04	0.05	0.06	0.07	21055-XX	0.13	0.19	0.23	0.27	0.33	0.38	21096-XX	0.42	0.59	0.72	0.83	1.02	1.18	21166-XX	1.21	1.71	2.10	2.42	2.97	3.43
21025-XX	0.03	0.04	0.05	0.06	0.07	0.08	21500-V04	0.14	0.20	0.24	0.28	0.35	0.40	21500-V125	0.44	0.62	0.76	0.88	1.08	1.25	21172-XX	1.33	1.88	2.30	2.66	3.26	3.76
21026-XX	0.03	0.04	0.05	0.06	0.07	0.08	21060-XX	0.16	0.22	0.27	0.32	0.39	0.45	21102-XX	0.46	0.65	0.80	0.92	1.13	1.30	21177-XX	1.41	2.00	2.45	2.83	3.46	4.00
21027-XX	0.32	0.46	0.56	0.65	0.79	0.91	21061-XX	0.16	0.23	0.29	0.33	0.40	0.47	21104-XX	0.48	0.68	0.83	0.96	1.17	1.35	21182-XX	1.47	2.08	2.55	2.95	3.61	4.17
21028-XX	0.03	0.05	0.06	0.07	0.09	0.10	21063-XX	0.17	0.25	0.30	0.35	0.43	0.49	21107-XX	0.52	0.73	0.90	1.04	1.27	1.47	21187-XX	1.56	2.21	2.70	3.12	3.82	4.41
21500-V01	0.04	0.05	0.06	0.07	0.09	0.10	21500-V05	0.18	0.25	0.31	0.35	0.43	0.50	21500-V15	0.53	0.75	0.92	1.06	1.30	1.50	21196-XX	1.73	2.45	3.00	3.46	4.24	4.90
21029-XX	0.04	0.05	0.07	0.08	0.09	0.11	21064-XX	0.18	0.25	0.31	0.36	0.44	0.51	21110-XX	0.55	0.77	0.95	1.09	1.34	1.55	21205-XX	1.87	2.65	3.25	3.75	4.59	5.30
21031-XX	0.04	0.06	0.07	0.09	0.11	0.12	21065-XX	0.18	0.26	0.32	0.37	0.45	0.52	21113-XX	0.58	0.82	1.01	1.16	1.42	1.64	21213-XX	2.02	2.85	3.49	4.03	4.94	5.70
21500-V015	0.05	0.07	0.09	0.10	0.13	0.15	21067-XX	0.20	0.28	0.34	0.39	0.48	0.56	21116-XX	0.61	0.86	1.05	1.22	1.49	1.72	21218-XX	2.11	2.98	3.65	4.21	5.16	5.96
21035-XX	0.06	0.08	0.10	0.11	0.14	0.16	21500-V06	0.21	0.30	0.37	0.42	0.52	0.60	21120-XX	0.63	0.89	1.09	1.26	1.54	1.78	21234-XX	2.45	3.47	4.25	4.91	6.01	6.94
21037-XX	0.06	0.09	0.11	0.12	0.15	0.17	21070-XX	0.22	0.31	0.37	0.43	0.53	0.61	21125-XX	0.69	0.98	1.20	1.39	1.70	1.96	21500-VXX	2.83	4.00	4.90	5.66	6.93	8.00
21039-XX	0.07	0.10	0.12	0.13	0.17	0.19	21073-XX	0.23	0.33	0.40	0.47	0.57	0.66	21500-V20	0.71	1.00	1.22	1.41	1.73	2.00							
21500-V02	0.07	0.10	0.13	0.14	0.18	0.20	21075-XX	0.25	0.35	0.42	0.49	0.60	0.69	21128-XX	0.72	1.02	1.25	1.45	1.77	2.04							
21041-XX	0.08	0.11	0.13	0.15	0.19	0.21	21078-XX	0.27	0.39	0.47	0.54	0.67	0.77	21130-XX	0.75	1.06	1.30	1.50	1.84	2.12							

How to order:

*Replace -XX with:

- 00 for Buna-N O-ring assembly (Replacement O-ring #40225-04)

- V0 for VITON® O-ring assembly (Replacement O-ring #40225-05)

Note: VITON® O-rings are standard with 21500-VXXX orifice series

Section 2. Valves and Manifolds

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Mfr Part #	Westward Part #	Description	Page(s)	Mfr Part #	Westward Part #	Description	Page(s)
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Valves - Banjo				LVHB050V	SPPLVHB050V	½" Hose Barb Micro Valve	2-1
Mfr Part #	Westward Part #	Description	Page	LVHB075100MTV	SPPLVHB075100MTV	¾" Hose Barb X 1" Male NPT Micro Valve	2-1
CV300	SPPCV300	3" Full Port Check Valve	2-8	LVHB075MTV	SPPLVHB075MTV	¾" Hose Barb X ¾" Male NPT Micro Valve	2-1
DM100DSST	SPPDM100DSST	1" Female X FPT NPT W/ KALREZ® Seals	2-31	MBP200	SPPMBP200	2" Buttress X 2" NPT Assembly	2-32
DM200A	SPP76091	2" Male X FPT NPT W/FKM Seals	2-28	MCV100	SPPMCV100	1" Flanged Check Valve	2-27
DM200AE	SPPDM200AE	2" Male X FPT NPT W/EPDM Seals	2-28	MCV200	SPPMCV200	2" Flanged Check Valve	2-27
DM200CAP	SPP77080	Dust Cap	2-28	MCV221	SPPMCV221	2" Full Port Flanged Check Valve	2-27
DM200D	SPPDM200D	2" Female X FPT NPT W/FKM Seals	2-28	MCV300	SPPMCV300	3" Flanged Check Valve	2-27
DM200DE	SPPDM200DE	2" Female W/EPDM Seals	2-28	MEV100BLCF	SPP76171	1" Full Port Manifold Bottom Load Electric Valve	2-19
DM200PL	SPP77081	Dust Plug	2-28	MEV100CF	SPP76169	1" Full Port Manifold Electric Valve	2-18
DMMT201AE	SPPDMMT201AE	2" Male X Male NPT W/Low Profile Handle W/EDPM Seals	2-28	MEV100XR1	SPPMEV100XR1	1" Full Port Electric Valve Sub Assembly	2-18
EV075	SPP76098	¾" Full Port Electric Valve	2-11	MEV10254A	SPPMEV10254A	1" Replacement Body	
EV075BL	SPPEV075BL	¾" Full Port Bottom Load Electric Valve	2-14	MEV200BLCF	SPPMEV200BLCF	2" Standard Port Manifold Bottom Load Electric Valve	2-19
EV075SL	SPP77949	¾" Full Port Side Load Electric Valve	2-14	MEV200CF	SPP77699	2" Standard Port Manifold Electric Valve	2-18
EV100BL	SPP77956	1" Bottom Load Electric Valve	2-14	MEV200SLCF	SPPMEV200SLCF	2" Standard Port Manifold Side Load Electric Valve	2-20
EV100FP	SPP76099	1" Full Port Electric Valve	2-11	MEV220BLCF	SPP76172	2" Full Port Manifold Bottom Load Electric Valve	2-19
EV100SL	SPP77950	1" Side Load Electric Valve	2-14	MEV220CF	SPP76170	2" Full Port Manifold Electric Valve	2-18
EV125	SPP76112	1¼" Electric Valve	2-11	MEV220SLCF	SPP76174	2" Full Port manifold Side Load Electric Valve	2-20
EV150	SPP76113	1½" Electric Valve	2-12	MEV220XR1	SPPMEV220XR1	2" Full Port Electric Valve Sub Assembly	2-18
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EV150XR1	SPPEV150XR1	1½" Full Port Electric Valve Sub Assembly	2-12	MSUV100FP	SPPMSUV100FP	1" Manifold Full Port Single Union Spinweld Valve	2-8
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EVR204FP	SPP77904	2" Full Port Electric Valve	2-13	MV200CF	SPP76463	2" Standard Port Manifold Valve	2-21
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LV050MTV	SPPLV050MTV	½" Female X Male NPT Micro Valve	2-1	MV300BL	SPPMV300BL	3" FP 3-Way Bottom Load Manifold Valve	2-24
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MVS220FP	SPP76456	2" Full Port Manifold Valve Flange X Female NPT w/ FKM Seals	2-22	V25200	SPP77057	Repair Kit	2-3
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MVS300CFP	SPPMVS300CFP	3" Full Port Manifold Valve Flange X Flange	2-23	V25271	SPP76564	90° Mounting Bracket	2-3
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MVSF300	SPP77736	3" Standard Port Manifold Valve Flange X Male Adapter	2-23	V300	SPP76072	3" Standard Port Valve	2-4
MVSF300FP	SPPMVSF300FP	3" Full Port Manifold Valve Flange X Male Adapter	2-23	V300FP	SPP76073	3" Full Port Valve	2-4
MVSMT220FP	SPPMVSMT220FP	2" Full Port Manifold Valve Flange X Male NPT w/ FKM Seals	2-22	V400	SPP76563	4" Standard Port Valve	2-4
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SUV075FP	SPPSUV075FP	¾" Full Port Single Union Spinweld Valve	2-8	VFMT204FP	SPP77064	2" Full Port Valve Male NPT X Male Adapter	2-4
SUV100FP	SPPSUV100FP	1" Full Port Single Union Spinweld Valve	2-8	VL25153	SPP76075	Locking Handle	2-4
SUV10150	SPPSUV10150	Union Valve Ring	2-8	VN100	SPP76085	1" Dispensing Nozzle	2-9
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UV100FP	SPPUV100FP	1" Full Port IBC Single Union Valve	2-8	VSF204FP	SPP76548	2" Male Adapter X 2" Female NPT	2-6
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V075	SPP76064	¾" Full Port Valve	2-11	VSFHB200	SPP77730	2" Male Adapter X 2" Hose Barb	2-5
V075BL	SPP77069	¾" 3-Way Bottom Load Valve	2-7	VSFMT200	SPP76094	2" Male Adapter X 2" Male NPT	2-5
V075SL	SPP77074	¾" 3-Way Side Load Valve	2-7	VSFMT204FP	SPP76562	2" Male Adapter X 2" Male NPT	2-6
V100	SPP76065	1" Standard Port Valve	2-3	VSFMT300	SPP77740	3" Male Adapter X 3" Male NPT	2-6
V100BL	SPP77070	1" 3-Way Bottom Load Valve	2-7	VSFMT300FP	SPPVSFMT300FP	3" Full Port Male Adapter X 3" Male NPT	2-6
V100FP	SPP76066	1" Full Port Valve	2-3	VSMT200	SPP76547	2" Female NPT X 2" Male NPT	2-5
V100SL	SPP77075	1" 3-Way Side Load Valve	2-7	VSMT200CF	SPPVSMT200CF	2" Standard Port Manifold Valve Flange X Male Adapter w/ TFE Seals	2-22
V125	SPP76067	1½" Full Port Valve	2-3	VSMT204FP	SPP76546	2" Male NPT X 2" Female NPT	2-6
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V150BL	SPP77072	1½" 3 Way Bottom Load Valve	2-7	UB202	SPP76399	2 Series Mounting U-Bolt	2-27
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MFM220	SPPMFM220	2" Full Port Manifold Flow Meter	2-59	344BE-34-C	SPP76156	1" NPT Outlet Threads, 12 VDC 3-Way Valve, Polypropylene Ball, Positively Switched w/ 0.5-Meter Cable	2-39
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AA144A-2	SPP76711	AA144A 2-Way Electric Valve - 3/4" Inlet, 1/2" Outlet - (2 Unit)	2-44	50515-22CP05	SPP50515-22CP05	B Style Shutoff Motor Numbers Replacement Motor	2-34
AA144A-3	SPP76712	AA144A 2-Way Electric Valve - 3/4" Inlet, 1/2" Outlet - (3 Unit)	2-44	AB344AE-KIT	SPP77439	AB344AE-KIT Kit	2-37
AA144F-1-3	SPP76777	Three-way operated DirectoValve was designed for use with foam markers. With electrical power off, flow to Outlet 1 is stopped and liquid flows to Outlet 2. With electrical power on, flow to Outlet 2 is stopped and liquid flows to Outlet 1	2-50	AA17L	SPP76334	AA17L Control Valve - 3/4" NPT Inlet - 3/4" (F) Boom Outlets - 3/4" (F) Accessory Outlet	2-49
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344BEC-34-C	SPP76149	1" NPT Outlet Threads, 12 VDC 3-Way Valve, Polypropylene Ball, Positively Switched w/ 0.5-Meter Cable.	2-39				
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CP21953-VI	SPP72416	Diaphragm Viton® for Nozzle Body ChemSaver® Check Valves.	1-93
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20522-00	SPP20522-00	Buna-N ORS Tee [ORS-M x ORS-M x ORS-F]	2-62
20522-V0	SPP20522-V0	Viton® ORS Tee [ORS-M x ORS-M x ORS-F]	2-62
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